

Publications of Ian Shipsey (September, 2017)

- 1) Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s}=8\text{ TeV}$ with the ATLAS experiment
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1709.04207 [hep-ex]. Submitted to Eur. Phys. J. C.
- 2) Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1709.04183 [hep-ex]. Submitted to JHEP.
- 3) Measurement of τ polarisation in $Z\gamma^*\rightarrow\tau\tau$ decays in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1709.03490 [hep-ex]. Submitted to Eur. Phys. J. C.
- 3a) An Electro - Optical Test System for Optimising Operating Conditions of CCD sensors for LSST
D.P. Weatherill, R. Plackett, K. Arndt and I.P.J. Shipsey
To appear in JINST 2017.
- 4) Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1709.03089 [nucl-ex]. Submitted to Eur. Phys. J. C.
- 4a) Characterisation of the Medipix3 detector for 60 and 80 keV electrons
By J.A. Mir et al..
To appear in Ultramicroscopy Vol. 182 November 2017, Pages 44-53
<http://www.sciencedirect.com/science/article/pii/S0304399116303989>
- 5) Measurement of longitudinal flow de-correlations in Pb+Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ and 5.02 TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1709.02301 [nucl-ex]. Submitted to Eur. Phys. J. C.
- 6) Searches for heavy ZZ and ZW resonances in the $q\bar{q}$ and $\nu\bar{\nu}q\bar{q}$ final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1708.09638 [hep-ex]. Submitted to JHEP.
- 7) Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1708.09624 [hep-ex]. Submitted to Phys. Lett. B.
- 8) Search for supersymmetry in events with b -tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1708.09266 [hep-ex]. Submitted to JHEP.
- 9) Search for squarks and gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1708.08232 [hep-ex]. Submitted to PRD.
- 10) Search for the direct production of charginos and neutralinos in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1708.07875 [hep-ex]. Submitted to Eur. Phys. J. C.

11) Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.04445 [hep-ex]. Submitted to Phys. Lett. B.

12) Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.04053 [hep-ex]. Submitted to Phys. Lett. B.

13) Measurement of multi-particle azimuthal correlations with the subevent cumulant method in pp and pPb collisions with the ATLAS detector at the LHC

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.03559 [hep-ex]. Submitted to Phys. Rev. C.

14) Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.03299 [hep-ex]. Submitted to JHEP.

15) Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.03247 [hep-ex]. Submitted to Eur. Phys. J. C.

16) Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.02810 [hep-ex]. Submitted to JHEP.

17) Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.02794 [hep-ex]. Submitted to JHEP.

18) Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.00727 [hep-ex]. Submitted to JHEP.

19) Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1708.00212 [hep-ex]. Submitted to JHEP.

20) Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $q\bar{q}' \rightarrow b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1707.06958 [hep-ex]. Submitted to PLB.

21) Search for heavy Higgs bosons A/H decaying to a top quark pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1707.06025 [hep-ex]. Submitted to PRL.

22) Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1707.05597 [hep-ex]. Submitted to EPJC.

- 23) Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t -channel at $\sqrt{s} = 8$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.05393 [hep-ex]. Submitted to JHEP.
- 24) Search for new phenomena in high-mass diphoton final states using 37 fb^{-1} of proton-proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.04147 [hep-ex]. Submitted to: Phys.Lett. B.
- 25) Vision and Outlook: The Future of Particle Physics
By Ian Shipsey.
arXiv:1707.03711 [hep-ex] PoS ICHEP2016 (2017) 037.
- 26) Search for pair production of heavy vector-like quarks decaying to high- p_{T} W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.03347 [hep-ex]. Submitted to JHEP.
- 27) Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.03263 [hep-ex]. Submitted to EPJC.
- 28) Study of the material of the ATLAS inner detector for Run 2 of the LHC
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.02826 [hep-ex]. Submitted to JINST.
- 29) Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV using the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.02562 [hep-ex]. Submitted to Eur. Phys. J. C.
- 30) Search for new high-mass phenomena in the dilepton final state using 36.1 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.02424 [hep-ex]. Submitted to JHEP.
- 31) Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.01404 [hep-ex]. Submitted to JHEP.
- 32) Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ using 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1707.01302 [hep-ex]. Submitted to Phys. Rev. Lett.
- 33) Search for a new heavy gauge boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.04786 [hep-ex]. Submitted to EPJC.
- 34) Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.03986 [hep-ex]. 10.1007/JHEP08(2017)006.
JHEP 1708 (2017) 006.

- 35) Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.03948 [hep-ex]. Submitted to Phys. Rev. D.
- 36) Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.03731 [hep-ex]. Submitted to JHEP.
- 37) Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.03192 [hep-ex].
10.1007/JHEP09(2017)020.
JHEP 1709 (2017) 020.
- 38) Measurement of the $t\bar{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.03046 [hep-ex]. Submitted to JHEP.
- 39) Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.02859 [hep-ex]. Submitted to Phys. Lett. B.
- 40) Measurement of $WW/WZ \rightarrow \ell\ell \nu q q^{\prime}$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1706.01702 [hep-ex].
10.1140/epjc/s10052-017-5084-2.
Eur.Phys.J. C77 (2017) no.8, 563.
- 41) Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1705.10751 [hep-ex].
10.1007/JHEP08(2017)052.
JHEP 1708 (2017) 052.
- 42) Search for the dimuon decay of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1705.04582 [hep-ex].
10.1103/PhysRevLett.119.051802.
Phys.Rev.Lett. 119 (2017) no.5, 051802. .
- 43) Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector
By ATLAS Collaboration (Morad Aaboud et al.).
arXiv:1705.04176 [hep-ex].
10.1140/epjc/s10052-017-4988-1.
Eur.Phys.J. C77 (2017) no.6, 428.
- 44) Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV
By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1705.03374 [hep-ex]. Submitted to JHEP.

45) Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1705.02211 [hep-ex].

10.1140/epjc/s10052-017-5081-5.

Eur.Phys.J. C77 (2017) no.9, 580.

46) Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1705.01966 [hep-ex].

10.1007/JHEP07(2017)107.

JHEP 1707 (2017) 107.

47) Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1704.08493 [hep-ex]. Submitted to JHEP.

48) Performance of the ATLAS Track Reconstruction Algorithms in Dense Environments in LHC run 2

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1704.07983 [hep-ex]. Submitted to EPJC.

49) Modelling charge storage near full well in CCDs

By D.P. Weatherill, R. Plackett, K. Arndt and I.P.J. Shipsey

DOI: <http://dx.doi.org/10.1088/1748-0221/12/05/C05008>

JINST volume 12, May 2017

50) Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1704.03848 [hep-ex].

10.1140/epjc/s10052-017-4965-8.

Eur.Phys.J. C77 (2017) no.6, 393.

51) Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1704.03839 [hep-ex].

10.1103/PhysRevD.95.112005.

Phys.Rev. D95 (2017) no.11, 112005.

52) Measurement of the k_{\perp} splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1704.01530 [hep-ex].

10.1007/JHEP08(2017)026.

JHEP 1708 (2017) 026.

53) Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1703.09665 [hep-ex]. Submitted to Phys. Rev. D.

54) Search for new phenomena in dijet events using 37 fb^{-1} of pp collision data collected at $\sqrt{s}=13$ TeV with the ATLAS detector

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1703.09127 [hep-ex]. Submitted to PRD.

55) Radiation hardness studies of AMS HV-CMOS 350 nm prototype chip HVStripV1

By K. Kanisuskas et al..

10.1088/1748-0221/12/02/P02010.

JINST 12 (2017) no.02, P02010.

*56) Particle and nuclear physics instrumentation and its broad connections

By M. Demarteau, R. Lipton, H. Nicholson, I. Shipsey.

10.1103/RevModPhys.88.045007.

Rev.Mod.Phys. 88 (2016) no.4.

57) Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV with the ATLAS detector at the LHC

By ATLAS Collaboration (Morad Aaboud et al.).

arXiv:1702.00674 [hep-ex].

10.1140/epjc/s10052-017-4915-5.

Eur.Phys.J. C77 (2017) no.6, 379.

58) X-ray Metrology of an Array of Active Edge Pixel Sensors for Use at Synchrotron Light Sources

By R. Plackett, K. Arndt, D. Bortoletto, I. Horswell, G. Lockwood, I. Shipsey, N. Tartoni, S. Williams.

arXiv:1612.07069 [physics.ins-det]. Accepted for publication in NIM A.

59) Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Serguei Chatrchyan et al.).

arXiv:1610.09551 [hep-ex].

10.1016/j.physletb.2017.04.028.

Phys.Lett. B770 (2017) 50-71.

60) The CMS trigger system

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1609.02366 [physics.ins-det].

10.1088/1748-0221/12/01/P01020.

JINST 12 (2017) no.01, P01020.

61) Medipix3 Demonstration and understanding of near ideal detector performance for 60 & 80 keV electrons

By J.A. Mir et al..

arXiv:1608.07586 [physics.ins-det].

62) Study of built-in amplifier performance on HV-CMOS sensor for the ATLAS phase-II strip tracker upgrade

By Z. Liang et al..

10.1016/j.nima.2016.05.007.

Nucl.Instrum.Meth. A831 (2016) 156-160.

63) Investigation of HV/HR-CMOS technology for the ATLAS Phase-II Strip Tracker Upgrade

By V. Fadeyev et al..

10.1016/j.nima.2016.05.092.

Nucl.Instrum.Meth. A831 (2016) 189-196.

64) Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1607.06975 [hep-ex].

10.1007/JHEP11(2016)147.

JHEP 1611 (2016) 147.

65) Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1607.03663 [hep-ex].

10.1088/1748-0221/12/02/P02014.

JINST 12 (2017) no.02, P02014.

66) Search for lepton flavour violating decays of the Higgs boson to $e \tau$ and $e \mu$ in proton–proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1607.03561 [hep-ex].

10.1016/j.physletb.2016.09.062.

Phys.Lett. B763 (2016) 472-500.

67) Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1607.00837 [hep-ex].

10.1103/PhysRevD.94.052006.

Phys.Rev. D94 (2016) no.5, 052006.

68) Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1606.05864 [hep-ex].

10.1007/JHEP02(2017)096.

JHEP 1702 (2017) 096.

69) Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1606.03577 [hep-ex].

10.1007/JHEP10(2016)129.

JHEP 1610 (2016) 129.

70) Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the CMS experiment

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1605.06966 [nucl-ex].

10.1016/j.physletb.2017.07.001.

Phys.Lett. B772 (2017) 489-511.

71) Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1605.02329 [hep-ex].

10.1007/JHEP09(2016)051.

JHEP 1609 (2016) 051.

72) Pseudorapidity dependence of long-range two-particle correlations in p Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1604.05347 [nucl-ex].

10.1103/PhysRevC.96.014915.

Phys.Rev. C96 (2017) no.1, 014915.

73) Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e \mu$ pair in proton-proton collisions at $\sqrt{s} = 8$ TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1604.05239 [hep-ex].

10.1140/epjc/s10052-016-4149-y.

Eur.Phys.J. C76 (2016) no.6, 317.

74) Evidence for exclusive $\gamma \gamma \rightarrow W^+ W^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1604.04464 [hep-ex].

10.1007/JHEP08(2016)119.
JHEP 1608 (2016) 119.

75) Charge collection studies in irradiated HV-CMOS particle detectors
By A. Affolder et al..
10.1088/1748-0221/11/04/P04007.
JINST 11 (2016) no.04, P04007.

76) Search for dark matter particles in proton-proton collisions at $\sqrt{s}=8$ TeV using the razor variables
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.08914 [hep-ex].
10.1007/JHEP12(2016)088.
JHEP 1612 (2016) 088.

77) Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.06221 [hep-ex].
10.1016/j.physletb.2016.07.006.
Phys.Lett. B760 (2016) 365-386.

78) Search for neutral resonances decaying into a Z boson and a pair of b jets or τ leptons
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.02991 [hep-ex].
10.1016/j.physletb.2016.05.087.
Phys.Lett. B759 (2016) 369-394.

79) $U(\mathbf{nS})$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.02913 [hep-ex].
10.1016/j.physletb.2016.07.065.
Phys.Lett. B761 (2016) 31-52.

80) Search for s channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.02555 [hep-ex].
10.1007/JHEP09(2016)027.
JHEP 1609 (2016) 027.

81) Measurement of the $t\bar{t}$ production cross section in the e- μ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.02303 [hep-ex].
10.1007/JHEP08(2016)029.
JHEP 1608 (2016) 029.

82) Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm} +$ jets and $e^{\pm}\mu^{\pm} +$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.02248 [hep-ex].
10.1007/JHEP04(2016)169.
JHEP 1604 (2016) 169.

83) Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV
By CMS Collaboration (Vardan Khachatryan et al.).
arXiv:1603.01803 [hep-ex].
10.1140/epjc/s10052-016-4293-4.
Eur.Phys.J. C76 (2016) no.8, 469.

84) Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8 \text{ TeV}$

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1603.00765 [hep-ex].

10.1140/epjc/s10052-016-4292-5.

Eur.Phys.J. C76 (2016) no.8, 460.

85) Measurements of the $\overline{\text{t}}\text{t}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1602.09024 [hep-ex].

10.1140/epjc/s10052-016-4504-z.

Eur.Phys.J. C77 (2017) no.1, 15.

86) Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8 \text{ TeV}$

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1602.08772 [hep-ex].

10.1016/j.physletb.2016.05.088.

Phys.Lett. B759 (2016) 479-500.

87) Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1602.08762 [hep-ex].

10.1140/epjc/s10052-016-4206-6.

Eur.Phys.J. C76 (2016) no.7, 371.

88) Measurement of the $Z \rightarrow \nu \bar{\nu} \gamma$ production cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous $ZZ \gamma$ and $Z \gamma \gamma$ trilinear gauge boson couplings

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1602.07152 [hep-ex].

10.1016/j.physletb.2016.06.080.

Phys.Lett. B760 (2016) 448-468.

89) Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8 \text{ TeV}$

By CMS Collaboration (Vardan Khachatryan et al.).

arXiv:1602.04384 [hep-ex].

10.1140/epjc/s10052-016-4346-8.

Eur.Phys.J. C76 (2016) no.10, 536.

90) [Search for R-parity violating decays of a top squark in proton-proton collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1602.04334 [hep-ex]].

[10.1016/j.physletb.2016.06.039.](#)

Phys.Lett. B760 (2016) 178-201.

91) [Combined search for anomalous pseudoscalar HVV couplings in \$VH\(H \rightarrow b \bar{b}\)\$ production and \$H \rightarrow VV\$ decay.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1602.04305 [hep-ex]].

[10.1016/j.physletb.2016.06.004.](#)

Phys.Lett. B759 (2016) 672-696.

92) [Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1602.03169 [hep-ex]].

[10.1007/JHEP09\(2016\)056](#), [10.1007/JHEP07\(2016\)027](#).

JHEP 1607 (2016) 027, Erratum: JHEP 1609 (2016) 056.

- 93) [Search for supersymmetry in pp collisions at \$\sqrt{s} = 8\$ TeV in final states with boosted W bosons and b jets using razor variables.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1602.02917 [hep-ex]].
[10.1103/PhysRevD.93.092009](#).
Phys.Rev. D93 (2016) no.9, 092009.
- 94) [Radiation hardness of two CMOS prototypes for the ATLAS HL-LHC upgrade project..](#)
By B.T. Huffman et al..
[10.1088/1748-0221/11/02/C02005](#).
JINST 11 (2016) no.02, C02005.
- 95) [Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1601.06713 [hep-ex]].
[10.1007/JHEP08\(2016\)139](#).
JHEP 1608 (2016) 139.
- 96) [Search for massive WH resonances decaying into the \$\ell \nu \overline{\mathbf{b}}\$ final state at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1601.06431 [hep-ex]].
[10.1140/epjc/s10052-016-4067-z](#).
Eur.Phys.J. C76 (2016) no.5, 237.
- 97) [Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1601.04768 [hep-ex]].
[10.1140/epjc/s10052-016-4156-z](#).
Eur.Phys.J. C76 (2016) no.6, 325.
- 98) [Measurement of inclusive jet production and nuclear modifications in pPb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1601.02001 [nucl-ex]].
[10.1140/epjc/s10052-016-4205-7](#).
Eur.Phys.J. C76 (2016) no.7, 372.
- 99) [Measurements of t t-bar spin correlations and top quark polarization using dilepton final states in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (V. Khachatryan et al.).
[arXiv:1601.01107 [hep-ex]].
[10.1103/PhysRevD.93.052007](#).
Phys.Rev. D93 (2016) no.5, 052007.
- 100) [Correlations between jets and charged particles in PbPb and pp collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1601.00079 [nucl-ex]].
[10.1007/JHEP02\(2016\)156](#).
JHEP 1602 (2016) 156.
- 101) [Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at \$\sqrt{s}=7\$ and 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1512.08377 [hep-ex]].
[10.1007/JHEP04\(2016\)005](#).
JHEP 1604 (2016) 005.

102) [Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton–proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1512.08002 [hep-ex]].

[10.1016/j.physletb.2016.05.033.](#)

Phys.Lett. B759 (2016) 9-35.

103) [Study of Z boson production in pPb collisions at \$\sqrt{s_{NN}}=5.02\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1512.06461 [hep-ex]].

[10.1016/j.physletb.2016.05.044.](#)

Phys.Lett. B759 (2016) 36-57.

104) [Measurement of the inclusive jet cross section in pp collisions at \$\sqrt{s} = 2.76\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1512.06212 [hep-ex]].

[10.1140/epjc/s10052-016-4083-z.](#)

Eur.Phys.J. C76 (2016) no.5, 265.

105) [Search for narrow resonances decaying to dijets in proton-proton collisions at \$\sqrt{s} = 13\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1512.01224 [hep-ex]].

[10.1103/PhysRevLett.116.071801.](#)

Phys.Rev.Lett. 116 (2016) no.7, 071801.

106) [Event generator tunes obtained from underlying event and multiparton scattering measurements.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1512.00815 [hep-ex]].

[10.1140/epjc/s10052-016-3988-x.](#)

Eur.Phys.J. C76 (2016) no.3, 155.

107) [Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1511.09375 [hep-ex]].

[10.1103/PhysRevD.93.052011.](#)

Phys.Rev. D93 (2016) no.5, 052011.

108) [Measurement of spin correlations in \$t\bar{t}\$ production using the matrix element method in the muon+jets final state in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1511.06170 [hep-ex]].

[10.1016/j.physletb.2016.05.005.](#)

Phys.Lett. B758 (2016) 321-346.

109) [Search for anomalous single top quark production in association with a photon in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1511.03951 [hep-ex]].

[10.1007/JHEP04\(2016\)035.](#)

JHEP 1604 (2016) 035.

110) [Search for a low-mass pseudoscalar Higgs boson produced in association with a \$b\bar{b}\$ pair in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1511.03610 [hep-ex]].

[10.1016/j.physletb.2016.05.003.](#)

Phys.Lett. B758 (2016) 296-320.

- 111) [Measurement of top quark polarisation in t-channel single top quark production.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1511.02138 [hep-ex]].
[10.1007/JHEP04\(2016\)073](https://doi.org/10.1007/JHEP04(2016)073).
JHEP 1604 (2016) 073.
- 112) [Search for excited leptons in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1511.01407 [hep-ex]].
[10.1007/JHEP03\(2016\)125](https://doi.org/10.1007/JHEP03(2016)125).
JHEP 1603 (2016) 125.
- 113) [Reconstruction and identification of \$\tau\$ lepton decays to hadrons and \$\nu_{\tau}\$ at CMS.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.07488 [physics.ins-det]].
[10.1088/1748-0221/11/01/P01019](https://doi.org/10.1088/1748-0221/11/01/P01019).
JINST 11 (2016) no.01, P01019.
- 114) [Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into \$\tau\$ leptons in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.06534 [hep-ex]].
[10.1007/JHEP01\(2016\)079](https://doi.org/10.1007/JHEP01(2016)079).
JHEP 1601 (2016) 079.
- 115) [Measurement of the top quark pair production cross section in proton-proton collisions at \$\sqrt{s}=13\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.05302 [hep-ex]].
[10.1103/PhysRevLett.116.052002](https://doi.org/10.1103/PhysRevLett.116.052002).
Phys.Rev.Lett. 116 (2016) no.5, 052002.
- 116) [Search for a light charged Higgs boson decaying to \$c\bar{c}\$ in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.04252 [hep-ex]].
[10.1007/JHEP12\(2015\)178](https://doi.org/10.1007/JHEP12(2015)178).
JHEP 1512 (2015) 178.
- 117) [Transverse momentum spectra of inclusive b jets in pPb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.03373 [nucl-ex]].
[10.1016/j.physletb.2016.01.010](https://doi.org/10.1016/j.physletb.2016.01.010).
Phys.Lett. B754 (2016) 59.
- 118) [Measurement of \$t\bar{t}\$ production with additional jet activity, including \$b\$ quark jets, in the dilepton decay channel using pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.03072 [hep-ex]].
[10.1140/epjc/s10052-016-4105-x](https://doi.org/10.1140/epjc/s10052-016-4105-x).
Eur.Phys.J. C76 (2016) no.7, 379.
- 119) [Measurement of long-range near-side two-particle angular correlations in pp collisions at \$\sqrt{s}=13\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1510.03068 [nucl-ex]].
[10.1103/PhysRevLett.116.172302](https://doi.org/10.1103/PhysRevLett.116.172302).
Phys.Rev.Lett. 116 (2016) no.17, 172302.
- 120) [Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy](#)

[pseudoscalar boson \$A\$ decaying to \$Zh\$, in the final states with \$h \rightarrow \tau\tau\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1510.01181 [hep-ex]].

[10.1016/j.physletb.2016.01.056.](#)

Phys.Lett. B755 (2016) 217-244.

121) [Observation of top quark pairs produced in association with a vector boson in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1510.01131 [hep-ex]].

[10.1007/JHEP01\(2016\)096.](#)

JHEP 1601 (2016) 096.

122) [Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.09029 [nucl-ex]].

[10.1007/JHEP01\(2016\)006.](#)

JHEP 1601 (2016) 006.

123) [Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.08159 [hep-ex]].

[10.1007/JHEP06\(2016\)177.](#)

JHEP 1606 (2016) 177.

124) [Search for the production of an excited bottom quark decaying to \$tW\$ in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.08141 [hep-ex]].

[10.1007/JHEP01\(2016\)166.](#)

JHEP 1601 (2016) 166.

125) [Measurement of the \$\overline{t}t\$ production cross section in the all-jets final state in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.06076 [hep-ex]].

[10.1140/epjc/s10052-016-3956-5.](#)

Eur.Phys.J. C76 (2016) no.3, 128.

126) [Search for \$W' \rightarrow tb\$ in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.06051 [hep-ex]].

[10.1007/JHEP02\(2016\)122.](#)

JHEP 1602 (2016) 122.

127) [Search for vector-like charge \$2/3\$ T quarks in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.04177 [hep-ex]].

[10.1103/PhysRevD.93.012003.](#)

Phys.Rev. D93 (2016) no.1, 012003.

128) [Measurement of the top quark mass using proton-proton data at \$\sqrt{s} = 7\$ and 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.04044 [hep-ex]].

[10.1103/PhysRevD.93.072004.](#)

Phys.Rev. D93 (2016) no.7, 072004.

129) [Measurement of the inelastic cross section in proton-lead collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1509.03893 [hep-ex]].
[10.1016/j.physletb.2016.06.027](https://arxiv.org/abs/10.1016/j.physletb.2016.06.027).
Phys.Lett. B759 (2016) 641-662.

130) [Search for single production of scalar leptoquarks in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1509.03750 [hep-ex]]. [10.1103/PhysRevD.93.032005](https://arxiv.org/abs/10.1103/PhysRevD.93.032005). Phys.Rev. D93 (2016) no.3, 032005.

131) [Search for pair production of first and second generation leptoquarks in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1509.03744 [hep-ex]].
[10.1103/PhysRevD.93.032004](https://arxiv.org/abs/10.1103/PhysRevD.93.032004).
Phys.Rev. D93 (2016) no.3, 032004.

132) [Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.07819 [hep-ex]].
[10.1140/epjc/s10052-015-3853-3](https://arxiv.org/abs/10.1140/epjc/s10052-015-3853-3).
Eur.Phys.J. C76 (2016) no.1, 13.

133) [Search for a charged Higgs boson in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.07774 [hep-ex]].
[10.1007/JHEP11\(2015\)018](https://arxiv.org/abs/10.1007/JHEP11(2015)018).
JHEP 1511 (2015) 018.

134) [Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.07628 [hep-ex]].
[10.1007/JHEP11\(2015\)189](https://arxiv.org/abs/10.1007/JHEP11(2015)189).
JHEP 1511 (2015) 189.

135) [Study of B Meson Production in pPb Collisions at \$\sqrt{s_{NN}}=5.02\$ TeV Using Exclusive Hadronic Decays.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.06678 [nucl-ex]].
[10.1103/PhysRevLett.116.032301](https://arxiv.org/abs/10.1103/PhysRevLett.116.032301).
Phys.Rev.Lett. 116 (2016) no.3, 032301.

136) [Search for \$W'\$ decaying to tau lepton and neutrino in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.04308 [hep-ex]].
[10.1016/j.physletb.2016.02.002](https://arxiv.org/abs/10.1016/j.physletb.2016.02.002).
Phys.Lett. B755 (2016) 196-216.

137) [Measurement of the charge asymmetry in top quark pair production in pp collisions at \$\sqrt{s}=8\$ TeV using a template method.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.03862 [hep-ex]].
[10.1103/PhysRevD.93.034014](https://arxiv.org/abs/10.1103/PhysRevD.93.034014).
Phys.Rev. D93 (2016) no.3, 034014.

138) [Search for neutral MSSM Higgs bosons decaying to \$\mu^+\mu^-\$ in pp collisions at \$\sqrt{s}=7\$ and 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1508.01437 [hep-ex]].
[10.1016/j.physletb.2015.11.042](https://arxiv.org/abs/10.1016/j.physletb.2015.11.042).

Phys.Lett. B752 (2016) 221-246.

139) [Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1508.01218 [hep-ex]].

[10.1016/j.physletb.2016.03.039](#). Phys.Lett. B757 (2016) 6-31.

140) [Laboratory and Testbeam Results for Thin and Epitaxial Planar Sensors for HL-LHC.](#)

By M. Bubna et al..

[10.1088/1748-0221/10/08/C08002](#).

JINST 10 (2015) no.08, C08002.

141) [Angular analysis of the decay \$B^0 \rightarrow K^* \mu^+ \mu^-\$ from pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.08126 [hep-ex]].

[10.1016/j.physletb.2015.12.020](#).

Phys.Lett. B753 (2016) 424-448.

142) [Measurement of the CP-violating weak phase \$\phi_s\$ and the decay width difference \$\Delta\Gamma_s\$ using the \$B_s^0 \rightarrow J/\psi \pi^0\$ decay channel in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.07527 [hep-ex]].

[10.1016/j.physletb.2016.03.046](#).

Phys.Lett. B757 (2016) 97-120.

143) [Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at \$\sqrt{s} = 2.76\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.07229 [hep-ex]].

[10.1007/JHEP09\(2015\)137](#).

JHEP 1509 (2015) 137.

144) [Search for pair-produced vectorlike B quarks in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.07129 [hep-ex]].

[10.1103/PhysRevD.93.112009](#).

Phys.Rev. D93 (2016) no.11, 112009.

145) [Limits on the Higgs boson lifetime and width from its decay to four charged leptons.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.06656 [hep-ex]].

[10.1103/PhysRevD.92.072010](#).

Phys.Rev. D92 (2015) no.7, 072010.

146) [Pseudorapidity distribution of charged hadrons in proton-proton collisions at \$\sqrt{s}=13\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.05915 [hep-ex]].

[10.1016/j.physletb.2015.10.004](#).

Phys.Lett. B751 (2015) 143-163.

147) [Measurement of the \$\sigma\(\mathbf{W}^+ \mathbf{W}^-\)\$ cross section in pp collisions at \$\sqrt{s} = 8\$ TeV and limits on anomalous gauge couplings.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1507.03268 [hep-ex]].

[10.1140/epjc/s10052-016-4219-1](#).

Eur.Phys.J. C76 (2016) no.7, 401.

148) [Inclusive and differential measurements of the \$\overline{t}\$ charge asymmetry in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1507.03119 [hep-ex]].
[10.1016/j.physletb.2016.03.060](https://arxiv.org/abs/10.1016/j.physletb.2016.03.060).
Phys.Lett. B757 (2016) 154-179.

149) [Search for a Higgs boson decaying into \$\gamma^* \rightarrow \ell \ell \gamma\$ with low dilepton mass in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1507.03031 [hep-ex]].
[10.1016/j.physletb.2015.12.039](https://arxiv.org/abs/10.1016/j.physletb.2015.12.039).
Phys.Lett. B753 (2016) 341-362.

150) [Search for supersymmetry with photons in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1507.02898 [hep-ex]].
[10.1103/PhysRevD.92.072006](https://arxiv.org/abs/10.1103/PhysRevD.92.072006).
Phys.Rev. D92 (2015) no.7, 072006.

151) [Search for exotic decays of a Higgs boson into undetectable particles and one or more photons.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1507.00359 [hep-ex]].
[10.1016/j.physletb.2015.12.017](https://arxiv.org/abs/10.1016/j.physletb.2015.12.017).
Phys.Lett. B753 (2016) 363-388.

152) [Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1507.00233 [hep-ex]].
[10.1103/PhysRevD.92.112001](https://arxiv.org/abs/10.1103/PhysRevD.92.112001).
Phys.Rev. D92 (2015) no.11, 112001.

153) [Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1506.08329 [hep-ex]].
[10.1007/JHEP11\(2015\)071](https://arxiv.org/abs/10.1007/JHEP11(2015)071).
JHEP 1511 (2015) 071.

154) [Search for resonant \$t\bar{t}\$ production in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1506.03062 [hep-ex]].
[10.1103/PhysRevD.93.012001](https://arxiv.org/abs/10.1103/PhysRevD.93.012001).
Phys.Rev. D93 (2016) no.1, 012001.

155) [Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1506.02301 [hep-ex]].
[10.1016/j.physletb.2015.09.062](https://arxiv.org/abs/10.1016/j.physletb.2015.09.062).
Phys.Lett. B750 (2015) 494-519.

156) [Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1506.01443 [hep-ex]].
[10.1007/JHEP02\(2016\)145](https://arxiv.org/abs/10.1007/JHEP02(2016)145).
JHEP 1602 (2016) 145.

157) [Search for the standard model Higgs boson produced through vector boson fusion and decaying to \$b\bar{b}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1506.01010 [hep-ex]].
[10.1103/PhysRevD.92.032008](https://doi.org/10.1103/PhysRevD.92.032008).
Phys.Rev. D92 (2015) no.3, 032008.

158) [A search for pair production of new light bosons decaying into muons.](#)
By CMS Collaboration (V. Khachatryan et al.).
[arXiv:1506.00424 [hep-ex]].
[10.1016/j.physletb.2015.10.067](https://doi.org/10.1016/j.physletb.2015.10.067).
Phys.Lett. B752 (2016) 146-168.

159) [Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1505.08118 [hep-ex]].
[10.1007/JHEP09\(2015\)201](https://doi.org/10.1007/JHEP09(2015)201).
JHEP 1509 (2015) 201.

160) [Comparison of the \$Z/\gamma^{*} + \text{jets}\$ to \$\gamma + \text{jets}\$ cross sections in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1505.06520 [hep-ex]].
[10.1007/JHEP10\(2015\)128](https://doi.org/10.1007/JHEP10(2015)128), [10.1007/JHEP04\(2016\)010](https://doi.org/10.1007/JHEP04(2016)010).
JHEP 1510 (2015) 128, Erratum: JHEP 1604 (2016) 010.

161) [Measurement of the differential cross section for top quark pair production in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1505.04480 [hep-ex]].
[10.1140/epjc/s10052-015-3709-x](https://doi.org/10.1140/epjc/s10052-015-3709-x).
Eur.Phys.J. C75 (2015) no.11, 542.

162) [Exclusive \$D_s\$ semileptonic branching fraction measurements.](#)
By Justin Hietala, Dan Cronin-Hennessy, Todd Pedlar, Ian Shipsey.
[arXiv:1505.04205 [hep-ex]].
[10.1103/PhysRevD.92.012009](https://doi.org/10.1103/PhysRevD.92.012009).
Phys.Rev. D92 (2015) no.1, 012009.

163) [Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in \$e^+e^- \rightarrow b\bar{b}\$ final states.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1504.04710 [hep-ex]].
[10.1016/j.physletb.2015.07.010](https://doi.org/10.1016/j.physletb.2015.07.010).
Phys.Lett. B748 (2015) 221-243.

164) [Angular coefficients of Z bosons produced in pp collisions at \$\sqrt{s}=8\$ TeV and decaying to \$\mu^+\mu^-\$ as a function of transverse momentum and rapidity.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1504.03512 [hep-ex]].
[10.1016/j.physletb.2015.08.061](https://doi.org/10.1016/j.physletb.2015.08.061).
Phys.Lett. B750 (2015) 154-175.

165) [Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1504.03511 [hep-ex]].
[10.1016/j.physletb.2015.07.065](https://doi.org/10.1016/j.physletb.2015.07.065).
Phys.Lett. B749 (2015) 187-209.

166) [Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1504.03198 [hep-ex]].
[10.1007/JHEP06\(2015\)121](https://doi.org/10.1007/JHEP06(2015)121).
JHEP 1506 (2015) 121.

167) [Search for a Higgs Boson in the Mass Range from 145 to 1000 GeV Decaying to a Pair of W or Z Bosons.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1504.00936 [hep-ex]].
[10.1007/JHEP10\(2015\)144](https://doi.org/10.1007/JHEP10(2015)144).
JHEP 1510 (2015) 144.

168) [Search for Third-Generation Scalar Leptoquarks in the \$t\tau\$ Channel in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.09049 [hep-ex]].
[10.1007/JHEP07\(2015\)042](https://doi.org/10.1007/JHEP07(2015)042).
JHEP 1507 (2015) 042.

169) [Measurement of diffraction dissociation cross sections in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.08689 [hep-ex]].
[10.1103/PhysRevD.92.012003](https://doi.org/10.1103/PhysRevD.92.012003).
Phys.Rev. D92 (2015) no.1, 012003.

170) [Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.08037 [hep-ex]] JHEP 1506 (2015) 116

171) [Combined Measurement of the Higgs Boson Mass in \$pp\$ Collisions at \$\sqrt{s} = 7\$ and 8 TeV with the ATLAS and CMS Experiments.](#)
By ATLAS and CMS Collaborations (Georges Aad et al.).
[arXiv:1503.07589 [hep-ex]].
[10.1103/PhysRevLett.114.191803](https://doi.org/10.1103/PhysRevLett.114.191803).
Phys.Rev.Lett. 114 (2015) 191803.

171a) *Curvature Wavefront Sensing for the Large Synoptic Survey Telescope* B. Xin, C. Claver, M Liang, S. Chandrasekharan, G. Angeli, I. Shipsey *Appl Opt* 54 9045-9054 (2015).
[10.1007/JHEP06\(2015\)116](https://doi.org/10.1007/JHEP06(2015)116).

172) [Study of W boson production in pPb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.05825 [nucl-ex]].
[10.1016/j.physletb.2015.09.057](https://doi.org/10.1016/j.physletb.2015.09.057).
Phys.Lett. B750 (2015) 565-586.

173) [Measurements of the \$\mathcal{Z}\mathcal{Z}\$ production cross sections in the \$2\nu\$ channel in proton-proton collisions at \$\sqrt{s} = 7\$ and \$8\sqrt{\text{TeV}}\$ and combined constraints on triple gauge couplings.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.05467 [hep-ex]].
[10.1140/epjc/s10052-015-3706-0](https://doi.org/10.1140/epjc/s10052-015-3706-0).
Eur.Phys.J. C75 (2015) no.10, 511.

174) [Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1503.04114 [hep-ex]].
[10.1016/j.physletb.2015.08.047](https://doi.org/10.1016/j.physletb.2015.08.047).
Phys.Lett. B749 (2015) 560-582.

175) [Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1503.01952 [hep-ex]].

[10.1007/JHEP06\(2015\)080.](#)

JHEP 1506 (2015) 080.

176) [Evidence for transverse momentum and pseudorapidity dependent event plane fluctuations in PbPb and pPb collisions.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1503.01692 [nucl-ex]].

[10.1103/PhysRevC.92.034911.](#)

Phys.Rev. C92 (2015) no.3, 034911.

177) [Study of Final-State Radiation in Decays of Z Bosons Produced in \$pp\$ Collisions at 7 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.07940 [hep-ex]].

[10.1103/PhysRevD.91.092012.](#)

Phys.Rev. D91 (2015) no.9, 092012.

178) [Search for Lepton-Flavour-Violating Decays of the Higgs Boson.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.07400 [hep-ex]].

[10.1016/j.physletb.2015.07.053.](#)

Phys.Lett. B749 (2015) 337-362.

179) [Search for Physics Beyond the Standard Model in Events with Two Leptons, Jets, and Missing Transverse Momentum in pp Collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.06031 [hep-ex]].

[10.1007/JHEP04\(2015\)124.](#)

JHEP 1504 (2015) 124.

180) [Measurement of the \$Z\gamma\$ Production Cross Section in pp Collisions at 8 TeV and Search for Anomalous Triple Gauge Boson Couplings.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.05664 [hep-ex]].

[10.1007/JHEP04\(2015\)164.](#)

JHEP 1504 (2015) 164.

181) [Nuclear Effects on the Transverse Momentum Spectra of Charged Particles in pPb Collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.05387 [nucl-ex]].

[10.1140/epjc/s10052-015-3435-4.](#)

Eur.Phys.J. C75 (2015) no.5, 237.

182) [Evidence for Collective Multiparticle Correlations in p-Pb Collisions.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.05382 [nucl-ex]].

[10.1103/PhysRevLett.115.012301.](#)

Phys.Rev.Lett. 115 (2015) no.1, 012301.

183) [Search for Narrow High-Mass Resonances in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV Decaying to a Z and a Higgs Boson.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1502.04994 [hep-ex]].

[10.1016/j.physletb.2015.07.011.](#)

Phys.Lett. B748 (2015) 255-277.

- 184) [Distributions of Topological Observables in Inclusive Three- and Four-Jet Events in pp Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.04785 [hep-ex]].
[10.1140/epjc/s10052-015-3491-9](#).
Eur.Phys.J. C75 (2015) no.7, 302.
- 185) [Searches for Supersymmetry using the \$M_{T2}\$ Variable in Hadronic Events Produced in pp Collisions at 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.04358 [hep-ex]].
[10.1007/JHEP05\(2015\)078](#).
JHEP 1505 (2015) 078.
- 186) [Measurement of \$J/\psi\$ and \$\psi\(2S\)\$ Prompt Double-Differential Cross Sections in pp Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.04155 [hep-ex]].
[10.1103/PhysRevLett.114.191802](#).
Phys.Rev.Lett. 114 (2015) no.19, 191802.
- 187) [Performance of Photon Reconstruction and Identification with the CMS Detector in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.02702 [physics.ins-det]].
[10.1088/1748-0221/10/08/P08010](#).
JINST 10 (2015) no.08, P08010.
- 188) [Performance of Electron Reconstruction and Selection with the CMS Detector in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.02701 [physics.ins-det]].
[10.1088/1748-0221/10/06/P06005](#).
JINST 10 (2015) no.06, P06005.
- 189) [Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.02522 [hep-ex]].
[10.1140/epjc/s10052-015-3533-3](#).
Eur.Phys.J. C75 (2015) no.7, 325.
- 190) [Search for a Standard Model Higgs Boson Produced in Association with a Top-Quark Pair and Decaying to Bottom Quarks Using a Matrix Element Method.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.02485 [hep-ex]].
[10.1140/epjc/s10052-015-3454-1](#).
Eur.Phys.J. C75 (2015) no.6, 251.
- 191) [Search for Supersymmetry Using Razor Variables in Events with \$b\$ -Tagged Jets in \$pp\$ Collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1502.00300 [hep-ex]].
[10.1103/PhysRevD.91.052018](#).
Phys.Rev. D91 (2015) 052018.
- 192) [Measurements of the \$\Upsilon\(1S\)\$, \$\Upsilon\(2S\)\$, and \$\Upsilon\(3S\)\$ differential cross sections in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1501.07750 [hep-ex]].
[10.1016/j.physletb.2015.07.037](https://arxiv.org/abs/10.1016/j.physletb.2015.07.037).
Phys.Lett. B749 (2015) 14-34.

193) [Measurement of the ratio \$B\(B^0 \rightarrow J/\psi f_0\(980\)\) / B\(B^0 \rightarrow J/\psi \phi\(1020\)\)\$ in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1501.06089 [hep-ex]].
[10.1016/j.physletb.2016.02.047](https://arxiv.org/abs/10.1016/j.physletb.2016.02.047).
Phys.Lett. B756 (2016) 84-102.

194) [Search for Decays of Stopped Long-Lived Particles Produced in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1501.05603 [hep-ex]].
[10.1140/epjc/s10052-015-3367-z](https://arxiv.org/abs/10.1140/epjc/s10052-015-3367-z).
Eur.Phys.J. C75 (2015) no.4, 151.

195) [Search for heavy Majorana neutrinos in \$\mu^+ \mu^-\$ jets events in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1501.05566 [hep-ex]].
[10.1016/j.physletb.2015.06.070](https://arxiv.org/abs/10.1016/j.physletb.2015.06.070).
Phys.Lett. B748 (2015) 144-166.

196) [Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1501.04198 [hep-ex]].
[10.1103/PhysRevD.91.052009](https://arxiv.org/abs/10.1103/PhysRevD.91.052009).
Phys.Rev. D91 (2015) no.5, 052009.

197) [Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1412.8662 [hep-ex]].
[10.1140/epjc/s10052-015-3351-7](https://arxiv.org/abs/10.1140/epjc/s10052-015-3351-7).
Eur.Phys.J. C75 (2015) no.5, 212.

198) [Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1412.7706 [hep-ex]].
[10.1016/j.physletb.2015.04.045](https://arxiv.org/abs/10.1016/j.physletb.2015.04.045).
Phys.Lett. B747 (2015) 98-119.

199) [Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1412.6302 [hep-ex]].
[10.1007/JHEP04\(2015\)025](https://arxiv.org/abs/10.1007/JHEP04(2015)025).
JHEP 1504 (2015) 025.

200) [Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1412.4109 [hep-ex]].
[10.1016/j.physletb.2015.04.002](https://arxiv.org/abs/10.1016/j.physletb.2015.04.002).
Phys.Lett. B745 (2015) 5-28.

201) [Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7](#)

[TeV and determination of the strong coupling constant in the TeV range.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1412.1633 [hep-ex]].

[10.1140/epjc/s10052-015-3376-y.](#)

Eur.Phys.J. C75 (2015) no.5, 186.

202) [Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1412.1115 [hep-ex]].

[10.1140/epjc/s10052-015-3364-2.](#)

Eur.Phys.J. C75 (2015) no.4, 147.

203) [Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1411.7255 [hep-ex]].

[10.1016/j.physletb.2015.03.017.](#)

Phys.Lett. B743 (2015) 503-525.

*203a) [Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1411.6977 [hep-ex]].

[10.1103/PhysRevD.91.052012.](#)

Phys.Rev. D91 (2015) no.5, 052012.

204) [Search for Long-Lived Neutral Particles Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1411.6530 [hep-ex]].

[10.1103/PhysRevD.91.012007.](#)

Phys.Rev. D91 (2015) no.1, 012007.

205) [Search for disappearing tracks in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (V. Khachatryan et al.).

[arXiv:1411.6006 [hep-ex]].

[10.1007/JHEP01\(2015\)096.](#)

JHEP 1501 (2015) 096.

206) [Measurement of the cross section ratio \$\frac{\sigma\(\text{t}\bar{\text{t}}\text{b}\bar{\text{b}}\)}{\sigma\(\text{t}\bar{\text{t}}\text{jj}\)}\$ in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1411.5621 [hep-ex]].

[10.1016/j.physletb.2015.04.060.](#)

Phys.Lett. B746 (2015) 132-153.

*206a) [Observation of the rare \$B^0 \rightarrow \mu^+ \mu^-\$ decay from the combined analysis of CMS and LHCb data.](#)

By CMS and LHCb Collaborations (Vardan Khachatryan et al.).

[arXiv:1411.4413 [hep-ex]].

[10.1038/nature14474.](#)

Nature 522 (2015) 68-72.

207) [Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1411.3441 [hep-ex]].

[10.1103/PhysRevD.92.012004.](#)

Phys.Rev. D92 (2015) no.1, 012004.

- 208) [Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton–proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1411.2646 [hep-ex]].
[10.1016/j.physletb.2015.04.042](#).
Phys.Lett. B746 (2015) 79-99.
- 209) [Performance of the CMS missing transverse momentum reconstruction in pp data at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1411.0511 [physics.ins-det]].
[10.1088/1748-0221/10/02/P02006](#).
JINST 10 (2015) no.02, P02006.
- 210) [Search for new phenomena in monophoton final states in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.8812 [hep-ex]].
[10.1016/j.physletb.2016.01.057](#).
Phys.Lett. B755 (2016) 102-124.
- 211) [Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.6765 [hep-ex]].
[10.1140/epjc/s10052-015-3499-1](#).
Eur.Phys.J. C75 (2015) no.6, 288.
- 212) [Search for a standard model-like Higgs boson in the \$\mu^+\mu^-\$ and \$e^+e^-\$ decay channels at the LHC.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.6679 [hep-ex]].
[10.1016/j.physletb.2015.03.048](#).
Phys.Lett. B744 (2015) 184-207.
- 213) [Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.6315 [hep-ex]].
[10.1103/PhysRevLett.114.051801](#).
Phys.Rev.Lett. 114 (2015) no.5, 051801.
- 214) [Measurement of the ratio of the production cross sections times branching fractions of \$B_{c^+} \rightarrow J/\psi \pi^+ \mu^+\$ and \$B_{c^+} \rightarrow J/\psi K^+ \mu^+\$ and \$\mathcal{B}\(B_{c^+} \rightarrow J/\psi \pi^+ \mu^+\) \pi^+ \mu^+ / \mathcal{B}\(B_{c^+} \rightarrow J/\psi \pi^+ \mu^+\) \pi^+ \mu^+\$ in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.5729 [hep-ex]].
[10.1007/JHEP01\(2015\)063](#).
JHEP 1501 (2015) 063.
- 215) [Study of Z production in PbPb and pp collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV in the dimuon and dielectron decay channels.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1410.4825 [nucl-ex]].
[10.1007/JHEP03\(2015\)022](#).
JHEP 1503 (2015) 022.
- 216) [Identification techniques for highly boosted W bosons that decay into hadrons.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1410.4227 [hep-ex]].
[10.1007/JHEP12\(2014\)017](#).

JHEP 1412 (2014) 017.

217) [Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at \$\sqrt{s}=8\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1410.3153 [hep-ex]].

[10.1140/epjc/s10052-014-3232-5](#).

Eur.Phys.J. C75 (2015) no.2, 66.

218) [Searches for heavy Higgs bosons in two-Higgs-doublet models and for \$t \rightarrow ch\$ decay using multilepton and diphoton final states in \$pp\$ collisions at 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1410.2751 [hep-ex]].

[10.1103/PhysRevD.90.112013](#).

Phys.Rev. D90 (2014) 112013.

219) [Measurement of Prompt \$\psi\(2S\)\$ to \$J/\psi\$ Yield Ratios in Pb-Pb and \$p\$ - \$p\$ Collisions at \$\sqrt{s_{NN}}=2.76\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1410.1804 [nucl-ex]].

[10.1103/PhysRevLett.113.262301](#).

Phys.Rev.Lett. 113 (2014) no.26, 262301.

220) [Measurement of the W boson helicity in events with a single reconstructed top quark in \$pp\$ collisions at \$\sqrt{s}=8\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1410.1154 [hep-ex]].

[10.1007/JHEP01\(2015\)053](#).

JHEP 1501 (2015) 053.

221) [Search for Monotop Signatures in Proton-Proton Collisions at \$\sqrt{s}=8\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1410.1149 [hep-ex]].

[10.1103/PhysRevLett.114.101801](#).

Phys.Rev.Lett. 114 (2015) no.10, 101801.

222) [Search for Standard Model Production of Four Top Quarks in the Lepton + Jets Channel in \$pp\$ Collisions at \$\sqrt{s}=8\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1409.7339 [hep-ex]].

[10.1007/JHEP11\(2014\)154](#).

JHEP 1411 (2014) 154.

223) [Measurement of the production cross section ratio \$\sigma\(Xb2\(1P\)\) / \sigma\(Xb1\(1P\)\)\$ in \$pp\$ collisions at \$\sqrt{s}=8\text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1409.5761 [hep-ex]].

[10.1016/j.physletb.2015.02.048](#).

Phys.Lett. B743 (2015) 383-402.

224) [Search for Displaced Supersymmetry in events with an electron and a muon with large impact parameters.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1409.4789 [hep-ex]].

[10.1103/PhysRevLett.114.061801](#).

Phys.Rev.Lett. 114 (2015) no.6, 061801.

225) [Long-range two-particle correlations of strange hadrons with charged particles in \$p\$ Pb and PbPb collisions at LHC energies.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1409.3392 [nucl-ex]].

[10.1016/j.physletb.2015.01.034](https://doi.org/10.1016/j.physletb.2015.01.034).
Phys.Lett. B742 (2015) 200-224.

226) [Searches for electroweak neutralino and chargino production in channels with Higgs, Z, and W bosons in pp collisions at 8 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1409.3168 [hep-ex]].
[10.1103/PhysRevD.90.092007](https://doi.org/10.1103/PhysRevD.90.092007).
Phys.Rev. D90 (2014) no.9, 092007.

227) [Search for dark matter, extra dimensions, and unparticles in monojet events in proton–proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.3583 [hep-ex]].
[10.1140/epic/s10052-015-3451-4](https://doi.org/10.1140/epic/s10052-015-3451-4).
Eur.Phys.J. C75 (2015) no.5, 235.

228) [Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.3316 [hep-ex]].
[10.1007/JHEP10\(2014\)160](https://doi.org/10.1007/JHEP10(2014)160).
JHEP 1410 (2014) 160.

229) [Measurements of jet multiplicity and differential production cross sections of \$Z + \text{jets}\$ events in proton–proton collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.3104 [hep-ex]].
[10.1103/PhysRevD.91.052008](https://doi.org/10.1103/PhysRevD.91.052008).
Phys.Rev. D91 (2015) no.5, 052008.

230) [Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton–proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.2745 [hep-ex]].
[10.1103/PhysRevD.91.092005](https://doi.org/10.1103/PhysRevD.91.092005).
Phys.Rev. D91 (2015) no.9, 092005.

231) [Search for the associated production of the Higgs boson with a top-quark pair.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.1682 [hep-ex]].
[10.1007/JHEP10\(2014\)106](https://doi.org/10.1007/JHEP10(2014)106), [10.1007/JHEP09\(2014\)087](https://doi.org/10.1007/JHEP09(2014)087).
JHEP 1409 (2014) 087, Erratum: JHEP 1410 (2014) 106.

232) [Assessment of workforce development needs in Office of Science research disciplines.](#)

By HEPAP Subcommittee Collaboration (Ilan Ben-Zvi et al.).

233) [Search for pair production of third-generation scalar leptoquarks and top squarks in proton–proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1408.0806 [hep-ex]].
[10.1016/j.physletb.2014.10.063](https://doi.org/10.1016/j.physletb.2014.10.063).
Phys.Lett. B739 (2014) 229-249.

234) [Measurement of the \$t\bar{t}\$ production cross section in \$pp\$ collisions at \$\sqrt{s} = 8\$ TeV in dilepton final states containing one \$\tau\$ lepton.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1407.6643 [hep-ex]].
[10.1016/j.physletb.2014.10.032](https://doi.org/10.1016/j.physletb.2014.10.032).
Phys.Lett. B739 (2014) 23-43.

235) [Search for heavy neutrinos and \$\mathit{W}\$ bosons with right-handed couplings in proton-proton collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1407.3683 [hep-ex]].

[10.1140/epjc/s10052-014-3149-z](#).

Eur.Phys.J. C74 (2014) no.11, 3149.

236) [Search for new resonances decaying via WZ to leptons in proton-proton collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1407.3476 [hep-ex]].

[10.1016/j.physletb.2014.11.026](#).

Phys.Lett. B740 (2015) 83-104.

237) [Study of hadronic event-shape variables in multijet final states in pp collisions at \$\sqrt{s} = 7 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1407.2856 [hep-ex]].

[10.1007/JHEP10\(2014\)087](#).

JHEP 1410 (2014) 87.

238) [Observation of the diphoton decay of the Higgs boson and measurement of its properties.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1407.0558 [hep-ex]].

[10.1140/epjc/s10052-014-3076-z](#).

Eur.Phys.J. C74 (2014) no.10, 3076.

239) [Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1406.7830 [hep-ex]].

[10.1140/epjc/s10052-014-3060-7](#).

Eur.Phys.J. C74 (2014) no.9, 3060.

240) [Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at \$\sqrt{s} = 7 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1406.7533 [hep-ex]].

[10.1016/j.physletb.2014.12.003](#).

Phys.Lett. B741 (2015) 12-37.

241) [CMS Analysis School Model.](#)

By S. Malik et al..

[10.1088/1742-6596/513/6/062029](#).

J.Phys.Conf.Ser. 513 (2014) 062029.

242) [Search for excited quarks in the \$\gamma + \text{jet}\$ final state in proton-proton collisions at \$\sqrt{s} = 8 \text{ TeV}\$.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1406.5171 [hep-ex]].

[10.1016/j.physletb.2014.09.048](#).

Phys.Lett. B738 (2014) 274-293.

243) [Pre- and post-irradiation performance of FBK 3D silicon pixel detectors for CMS.](#)

By A. Krzywda et al..

[10.1016/j.nima.2014.06.029](#).

Nucl.Instrum.Meth. A763 (2014) 404-411.

244) [Measurement of jet fragmentation in PbPb and pp collisions at \$\sqrt{s_{NN}} = 2.76 \text{ TeV}\$.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1406.0932 [nucl-ex]].

[10.1103/PhysRevC.90.024908](#).

Phys.Rev. C90 (2014) no.2, 024908.

- 245) [Measurement of prompt \$J/\psi\$ pair production in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1406.0484 [hep-ex]].
[10.1007/JHEP09\(2014\)094](#).
JHEP 1409 (2014) 094.
- 246) [Measurement of the ratio of inclusive jet cross sections using the anti- \$k_T\$ algorithm with radius parameters \$R=0.5\$ and \$0.7\$ in pp collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1406.0324 [hep-ex]].
[10.1103/PhysRevD.90.072006](#).
Phys.Rev. D90 (2014) no.7, 072006.
- 247) [Measurement of the \$pp \rightarrow ZZ\$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1406.0113 [hep-ex]].
[10.1016/j.physletb.2014.11.059](#), [10.1016/j.physletb.2016.04.010](#).
Phys.Lett. B740 (2015) 250-272, Erratum: Phys.Lett. B757 (2016) 569-569.
- 248) [Search for jet extinction in the inclusive jet- \$p_T\$ spectrum from proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.7653 [hep-ex]].
[10.1103/PhysRevD.90.032005](#).
Phys.Rev. D90 (2014) no.3, 032005.
- 249) [Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.7570 [hep-ex]].
[10.1140/epjc/s10052-014-3036-7](#).
Eur.Phys.J. C74 (2014) no.9, 3036.
- 250) [Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1405.7225 [hep-ex]].
[10.1140/epjc/s10052-014-3129-3](#).
Eur.Phys.J. C74 (2014) no.11, 3129.
- 251) [Description and performance of track and primary-vertex reconstruction with the CMS tracker.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1405.6569 [physics.ins-det]].
[10.1088/1748-0221/9/10/P10009](#).
JINST 9 (2014) no.10, P10009.
- 252) [Search for supersymmetry with razor variables in pp collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1405.3961 [hep-ex]].
[10.1103/PhysRevD.90.112001](#).
Phys.Rev. D90 (2014) no.11, 112001.
- 253) [Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at \$\sqrt{s}=8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.3886 [hep-ex]].
[10.1016/j.physletb.2014.07.053](#).
Phys.Lett. B736 (2014) 371-397.

- 254) [Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.3455 [hep-ex]].
[10.1016/j.physletb.2014.06.077](https://arxiv.org/abs/10.1016/j.physletb.2014.06.077).
Phys.Lett. B736 (2014) 64-85.
- 255) [Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.3447 [hep-ex]].
[10.1007/JHEP08\(2014\)174](https://arxiv.org/abs/10.1007/JHEP08(2014)174).
JHEP 1408 (2014) 174.
- 256) [Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1405.1994 [hep-ex]].
[10.1007/JHEP08\(2014\)173](https://arxiv.org/abs/10.1007/JHEP08(2014)173).
JHEP 1408 (2014) 173.
- 257) [Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at \$\sqrt{s} = 8\$ TeV by the CMS and TOTEM experiments.](#)
By CMS and TOTEM Collaborations (Serguei Chatrchyan et al.).
[arXiv:1405.0722 [hep-ex]].
[10.1140/epjc/s10052-014-3053-6](https://arxiv.org/abs/10.1140/epjc/s10052-014-3053-6).
Eur.Phys.J. C74 (2014) no.10, 3053.
- 258) [Search for anomalous production of events with three or more leptons in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1404.5801 [hep-ex]].
[10.1103/PhysRevD.90.032006](https://arxiv.org/abs/10.1103/PhysRevD.90.032006).
Phys.Rev. D90 (2014) 032006.
- 259) [Search for \$WW \rightarrow \gamma\gamma\$ and \$WZ \rightarrow \gamma\gamma\$ production and constraints on anomalous quartic gauge couplings in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1404.4619 [hep-ex]].
[10.1103/PhysRevD.90.032008](https://arxiv.org/abs/10.1103/PhysRevD.90.032008).
Phys.Rev. D90 (2014) no.3, 032008.
- 260) [Measurement of jet multiplicity distributions in \$\overline{t}t\$ production in pp collisions at \$\sqrt{s} = 7, \text{TeV}\$.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1404.3171 [hep-ex]].
[10.1140/epjc/s10052-014-3014-0](https://arxiv.org/abs/10.1140/epjc/s10052-014-3014-0), [10.1140/epjc/s10052-015-3437-2](https://arxiv.org/abs/10.1140/epjc/s10052-015-3437-2).
Eur.Phys.J. C74 (2015) 3014, Erratum: Eur.Phys.J. C75 (2015) no.5, 216.
- 261) [Measurement of the ratio \$\mathcal{B}\(t \rightarrow Wb\)/\mathcal{B}\(t \rightarrow Wq\)\$ in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1404.2292 [hep-ex]].
[10.1016/j.physletb.2014.06.076](https://arxiv.org/abs/10.1016/j.physletb.2014.06.076).
Phys.Lett. B736 (2014) 33-57.
- 262) [Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1404.1344 [hep-ex]].
[10.1140/epjc/s10052-014-2980-6](https://arxiv.org/abs/10.1140/epjc/s10052-014-2980-6).

Eur.Phys.J. C74 (2014) 2980.

263) [Measurement of the t-channel single-top-quark production cross section and of the \$\mid V_{tb} \mid\$ CKM matrix element in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1403.7366 [hep-ex]].

[10.1007/JHEP06\(2014\)090](#).

JHEP 1406 (2014) 090.

264) [Measurement of WZ and ZZ production in pp collisions at \$\sqrt{s} = 8\$ TeV in final states with b-tagged jets.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1403.3047 [hep-ex]].

[10.1140/epic/s10052-014-2973-5](#).

Eur.Phys.J. C74 (2014) no.8, 2973.

265) [Alignment of the CMS tracker with LHC and cosmic ray data.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1403.2286 [physics.ins-det]].

[10.1088/1748-0221/9/06/P06009](#).

JINST 9 (2014) P06009.

266) [Testbeam and Laboratory Characterization of CMS 3D Pixel Sensors.](#)

By M. Bubna et al..

[arXiv:1402.6384 [physics.ins-det]].

[10.1088/1748-0221/9/07/C07019](#).

JINST 9 (2014) C07019.

267) [Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1402.4770 [hep-ex]].

[10.1007/JHEP06\(2014\)055](#).

JHEP 1406 (2014) 055.

268) [Measurements of the \$t\bar{t}\$ charge asymmetry using the dilepton decay channel in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1402.3803 [hep-ex]].

[10.1007/JHEP04\(2014\)191](#).

JHEP 1404 (2014) 191.

269) [Search for \$W' \rightarrow tb\$ decays in the lepton + jets final state in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1402.2176 [hep-ex]].

[10.1007/JHEP05\(2014\)108](#).

JHEP 1405 (2014) 108.

270) [Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1402.1521 [hep-ex]].

[10.1007/JHEP06\(2014\)120](#).

JHEP 1406 (2014) 120.

271) [Measurement of inclusive W and Z boson production cross sections in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1402.0923 [hep-ex]].

[10.1103/PhysRevLett.112.191802](#).

Phys.Rev.Lett. 112 (2014) 191802.

- 272) [Evidence for the direct decay of the 125 GeV Higgs boson to fermions.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1401.6527 [hep-ex]].
[10.1038/nphys3005](#).
Nature Phys. 10 (2014) 557-560.
- 273) [Planning the Future of U.S. Particle Physics \(Snowmass 2013\): Chapter 8: Instrumentation Frontier.](#)
By M. Demarteau et al..
[arXiv:1401.6116 [hep-ex]].
- 274) [Planning the Future of U.S. Particle Physics \(Snowmass 2013\): Chapter 1: Summary.](#)
By J.L. Rosner et al..
[arXiv:1401.6075 [hep-ex]].
- 275) [Evidence for the 125 GeV Higgs boson decaying to a pair of \$\tau\$ leptons.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1401.5041 [hep-ex]].
[10.1007/JHEP05\(2014\)104](#).
JHEP 1405 (2014) 104.
- 276) [Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1401.4433 [nucl-ex]].
[10.1140/epjc/s10052-014-2951-y](#).
Eur.Phys.J. C74 (2014) no.7, 2951.
- 277) [Observation of the associated production of a single top quark and a \$W\$ boson in \$pp\$ collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1401.2942 [hep-ex]].
[10.1103/PhysRevLett.112.231802](#).
Phys.Rev.Lett. 112 (2014) no.23, 231802.
- 278) [Measurement of the \$t\bar{t}\$ production cross section in the dilepton channel in \$pp\$ collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1312.7582 [hep-ex], arXiv:1312.7582].
[10.1007/JHEP02\(2014\)024](#), [10.1007/JHEP02\(2014\)102](#).
JHEP 1402 (2014) 024, Erratum: JHEP 1402 (2014) 102.
- 279) [Updated measurements of absolute \$D^+D^0\$ hadronic branching fractions and \$\sigma\(e^+e^-\rightarrow D\overline{D}\)\$ at \$E_{\text{cm}} = 3774\$ MeV.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[arXiv:1312.6775 [hep-ex]].
[10.1103/PhysRevD.89.072002](#), [10.1103/PhysRevD.91.019903](#).
Phys.Rev. D89 (2014) no.7, 072002, Erratum: Phys.Rev. D91 (2015) no.1, 019903.
- 280) [Measurement of the production cross section for a \$W\$ boson and two \$b\$ jets in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1312.6608 [hep-ex]].
[10.1016/j.physletb.2014.06.041](#).
Phys.Lett. B735 (2014) 204-225.
- 281) [Measurement of four-jet production in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1312.6440 [hep-ex]].
[10.1103/PhysRevD.89.092010](#).

Phys.Rev. D89 (2014) no.9, 092010.

282) [Event activity dependence of \$Y\(nS\)\$ production in \$\sqrt{s_{NN}}=5.02\$ TeV pPb and \$\sqrt{s}=2.76\$ TeV pp collisions.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.6300 [nucl-ex]].

[10.1007/JHEP04\(2014\)103.](#)

JHEP 1404 (2014) 103.

283) [Measurement of the muon charge asymmetry in inclusive \$\text{pp} \rightarrow W+X\$ production at \$\sqrt{s}=7\$ TeV and an improved determination of light parton distribution functions.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.6283 [hep-ex]].

[10.1103/PhysRevD.90.032004.](#)

Phys.Rev. D90 (2014) no.3, 032004.

284) [Study of double parton scattering using \$W + 2\$ -jet events in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.5729 [hep-ex]].

[10.1007/JHEP03\(2014\)032.](#)

JHEP 1403 (2014) 032.

285) [Measurement of the properties of a Higgs boson in the four-lepton final state.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.5353 [hep-ex]].

[10.1103/PhysRevD.89.092007.](#)

Phys.Rev. D89 (2014) no.9, 092007.

286) [Evidence of b-Jet Quenching in PbPb Collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.4198 [nucl-ex]].

[10.1103/PhysRevLett.113.132301](#), [10.1103/PhysRevLett.115.029903.](#)

Phys.Rev.Lett. 113 (2014) no.13, 132301, Erratum: Phys.Rev.Lett. 115 (2015) no.2, 029903.

287) [Search for Flavor-Changing Neutral Currents in Top-Quark Decays \$t \rightarrow Zq\$ in \$\text{pp}\$ Collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.4194 [hep-ex]].

[10.1103/PhysRevLett.112.171802.](#)

Phys.Rev.Lett. 112 (2014) no.17, 171802.

288) [Search for top squark and higgsino production using diphoton Higgs boson decays.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.3310 [hep-ex]].

[10.1103/PhysRevLett.112.161802.](#)

Phys.Rev.Lett. 112 (2014) 161802.

289) [Search for top-quark partners with charge \$5/3\$ in the same-sign dilepton final state.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.2391 [hep-ex]].

[10.1103/PhysRevLett.112.171801.](#)

Phys.Rev.Lett. 112 (2014) no.17, 171801.

290) [Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1312.1845 [nucl-ex]].

[10.1007/JHEP02\(2014\)088.](#)

JHEP 1402 (2014) 088.

- 291) [Testbeam and laboratory test results of irradiated 3D CMS pixel detectors.](#)
By Mayur Bubna et al..
[10.1016/j.nima.2013.07.042](https://doi.org/10.1016/j.nima.2013.07.042).
Nucl.Instrum.Meth. A732 (2013) 52-56.
- 292) [Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1312.1129 [hep-ex]].
[10.1007/JHEP01\(2014\)096](https://doi.org/10.1007/JHEP01(2014)096).
JHEP 1401 (2014) 096.
- 293) [Inclusive search for a vector-like T quark with charge \$\frac{2}{3}\$ in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.7667 [hep-ex]].
[10.1016/j.physletb.2014.01.006](https://doi.org/10.1016/j.physletb.2014.01.006).
Phys.Lett. B729 (2014) 149-171.
- 294) [Search for new physics in events with same-sign dileptons and jets in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.6736, arXiv:1311.6736 [hep-ex]].
[10.1007/JHEP01\(2014\)163](https://doi.org/10.1007/JHEP01(2014)163), [10.1007/JHEP01\(2015\)014](https://doi.org/10.1007/JHEP01(2015)014).
JHEP 1401 (2014) 163, Erratum: JHEP 1501 (2015) 014.
- 295) [Measurement of the triple-differential cross section for photon+jets production in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.6141 [hep-ex]].
[10.1007/JHEP06\(2014\)009](https://doi.org/10.1007/JHEP06(2014)009).
JHEP 1406 (2014) 009.
- 296) [Probing color coherence effects in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.5815 [hep-ex]].
[10.1140/epjc/s10052-014-2901-8](https://doi.org/10.1140/epjc/s10052-014-2901-8).
Eur.Phys.J. C74 (2014) no.6, 2901.
- 297) [Search for pair production of excited top quarks in the lepton + jets final state.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.5357 [hep-ex]].
[10.1007/JHEP06\(2014\)125](https://doi.org/10.1007/JHEP06(2014)125).
JHEP 1406 (2014) 125.
- 298) [Search for supersymmetry in pp collisions at \$\sqrt{s} = 8\$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.4937 [hep-ex]].
[10.1016/j.physletb.2014.04.023](https://doi.org/10.1016/j.physletb.2014.04.023).
Phys.Lett. B733 (2014) 328-353.
- 299) [Measurements of \$t\bar{t}\$ spin correlations and top-quark polarization using dilepton final states in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1311.3924 [hep-ex]].
[10.1103/PhysRevLett.112.182001](https://doi.org/10.1103/PhysRevLett.112.182001).
Phys.Rev.Lett. 112 (2014) no.18, 182001.
- 300) [Performance of CMS 3D silicon pixel detectors before and after irradiation.](#)
By M. Obertino et al..

[10.1016/j.nima.2013.04.048](https://arxiv.org/abs/10.1016/j.nima.2013.04.048).

Nucl.Instrum.Meth. A730 (2013) 33-37.

301) [Searches for light- and heavy-flavour three-jet resonances in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1311.1799 [hep-ex]].

[10.1016/j.physletb.2014.01.049](https://arxiv.org/abs/10.1016/j.physletb.2014.01.049).

Phys.Lett. B730 (2014) 193-214.

302) [Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.8651 [nucl-ex]].

[10.1103/PhysRevC.89.044906](https://arxiv.org/abs/10.1103/PhysRevC.89.044906).

Phys.Rev. C89 (2014) no.4, 044906.

303) [Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.7291 [hep-ex]].

[10.1007/JHEP12\(2013\)030](https://arxiv.org/abs/10.1007/JHEP12(2013)030).

JHEP 1312 (2013) 030.

304) [Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.4554 [hep-ex]].

[10.1140/epjc/s10052-013-2674-5](https://arxiv.org/abs/10.1140/epjc/s10052-013-2674-5).

Eur.Phys.J. C73 (2013) no.12, 2674.

305) [Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.3687 [hep-ex]].

[10.1103/PhysRevD.89.012003](https://arxiv.org/abs/10.1103/PhysRevD.89.012003).

Phys.Rev. D89 (2014) no.1, 012003.

306) [Rapidity distributions in exclusive Z + jet and \$\gamma\$ + jet events in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.3082 [hep-ex]].

[10.1103/PhysRevD.88.112009](https://arxiv.org/abs/10.1103/PhysRevD.88.112009).

Phys.Rev. D88 (2013) no.11, 112009.

307) [Search for baryon number violation in top-quark decays.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.1618 [hep-ex]].

[10.1016/j.physletb.2014.02.033](https://arxiv.org/abs/10.1016/j.physletb.2014.02.033).

Phys.Lett. B731 (2014) 173-196.

308) [Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.1349 [hep-ex]].

[10.1007/JHEP12\(2013\)039](https://arxiv.org/abs/10.1007/JHEP12(2013)039).

JHEP 1312 (2013) 039.

309) [Measurement of associated W + charm production in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1310.1138 [hep-ex]].

[10.1007/JHEP02\(2014\)013](#).
JHEP 1402 (2014) 013.

310) [Modification of jet shapes in PbPb collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1310.0878 [nucl-ex]].
[10.1016/j.physletb.2014.01.042](#).
Phys.Lett. B730 (2014) 243-263.

311) [Observation of a peaking structure in the \$J/\psi \rightarrow \psi\(3686\) \rightarrow J/\psi \phi\$ decays.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1309.6920 [hep-ex]].
[10.1016/j.physletb.2014.05.055](#).
Phys.Lett. B734 (2014) 261-281.

312) [Searches for new physics using the \$t\bar{t}\$ invariant mass distribution in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1309.2030 [hep-ex]].
[10.1103/PhysRevLett.112.119903](#), [10.1103/PhysRevLett.111.211804](#).
Phys.Rev.Lett. 111 (2013) no.21, 211804, Erratum: Phys.Rev.Lett. 112 (2014) no.11, 119903.

313) [Measurement of the production cross section for \$Z \rightarrow \nu \bar{\nu}\$ in pp collisions at \$\sqrt{s} = 7\$ TeV and limits on \$ZZ\gamma\$ and \$Z\gamma\gamma\$ triple gauge boson couplings.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1309.1117 [hep-ex]].
[10.1007/JHEP10\(2013\)164](#).
JHEP 1310 (2013) 164.

314) [Search for a new bottomonium state decaying to \$\Upsilon\(1S\) \rightarrow \pi^+ \pi^-\$ in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1309.0250 [hep-ex]].
[10.1016/j.physletb.2013.10.016](#).
Phys.Lett. B727 (2013) 57-76.

315) [Measurement of the \$W\gamma\$ and \$Z\gamma\$ inclusive cross sections in pp collisions at \$\sqrt{s} = 7\$ TeV and limits on anomalous triple gauge boson couplings.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1308.6832 [hep-ex]].
[10.1103/PhysRevD.89.092005](#).
Phys.Rev. D89 (2014) no.9, 092005.

316) [3D-FBK pixel sensors with CMS readout: First test results.](#)
By M. Obertino et al..
[10.1016/j.nima.2012.11.076](#).
Nucl.Instrum.Meth. A718 (2013) 342-344.

317) [Measurement of the W-boson helicity in top-quark decays from \$t\bar{t}\$ production in lepton+jets events in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1308.3879 [hep-ex]].
[10.1007/JHEP10\(2013\)167](#).
JHEP 1310 (2013) 167.

318) [Angular analysis and branching fraction measurement of the decay \$B^0 \rightarrow K^{*0} \mu^+ \mu^-\$.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1308.3409 [hep-ex]].
[10.1016/j.physletb.2013.10.017](#).

Phys.Lett. B727 (2013) 77-100.

319) [Search for top-squark pair production in the single-lepton final state in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1308.1586 [hep-ex]].
[10.1140/epjc/s10052-013-2677-2](#).
Eur.Phys.J. C73 (2013) no.12, 2677.

320) [Measurement of the prompt \$J/\psi\$ and \$\psi\(2S\)\$ polarizations in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.6070 [hep-ex]].
[10.1016/j.physletb.2013.10.055](#).
Phys.Lett. B727 (2013) 381-402.

321) [Search for a Higgs boson decaying into a Z and a photon in pp collisions at \$\sqrt{s} = 7\$ and 8 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.5515 [hep-ex]].
[10.1016/j.physletb.2013.09.057](#).
Phys.Lett. B726 (2013) 587-609.

*321a) [Measurement of the B\(s\) to \$\mu^+ \mu^-\$ branching fraction and search for \$B_0\$ to \$\mu^+ \mu^-\$ with the CMS Experiment.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.5025 [hep-ex]].
[10.1103/PhysRevLett.111.101804](#).
Phys.Rev.Lett. 111 (2013) 101804.

322) [Measurement of the top-quark mass in all-jets \$t\bar{t}\$ events in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.4617 [hep-ex]].
[10.1140/epjc/s10052-014-2758-x](#).
Eur.Phys.J. C74 (2014) no.4, 2758.

323) [Study of the production of charged pions, kaons, and protons in pPb collisions at \$\sqrt{s_{NN}} = 5.02\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.3442 [hep-ex]].
[10.1140/epjc/s10052-014-2847-x](#).
Eur.Phys.J. C74 (2014) no.6, 2847.

324) [Determination of the top-quark pole mass and strong coupling constant from the \$t\bar{t}\$ production cross section in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1307.1907 [hep-ex]].
[10.1016/j.physletb.2014.08.040](#), [10.1016/j.physletb.2013.12.009](#).
Phys.Lett. B728 (2014) 496-517, Erratum: Phys.Lett. B738 (2014) 526-528.

325) [The performance of the CMS muon detector in proton-proton collisions at \$\sqrt{s} = 7\$ TeV at the LHC.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1306.6905 [physics.ins-det]].
[10.1088/1748-0221/8/11/P11002](#).
JINST 8 (2013) P11002.

326) [Search for top squarks in \$R\$ -parity-violating supersymmetry using three or more leptons and b-tagged jets.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1306.6643 [hep-ex]].
[10.1103/PhysRevLett.111.221801](#).
Phys.Rev.Lett. 111 (2013) no.22, 221801.

- 327) [Improved Measurement of Absolute Hadronic Branching Fractions of the \$D_s^+\$ Meson.](#)
By CLEO Collaboration (P.U.E. Onyisi et al.).
[arXiv:1306.5363 [hep-ex]].
[10.1103/PhysRevD.88.032009](#).
Phys.Rev. D88 (2013) no.3, 032009.
- 328) [Energy Calibration and Resolution of the CMS Electromagnetic Calorimeter in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1306.2016 [hep-ex]].
[10.1088/1748-0221/8/09/P09009](#).
JINST 8 (2013) P09009, JINST 8 (2013) 9009.
- 329) [Measurement of the \$W^+W^-\$ Cross section in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV and Limits on Anomalous \$WW\gamma\$ and \$WWZ\$ couplings.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1306.1126 [hep-ex]].
[10.1140/epjc/s10052-013-2610-8](#).
Eur.Phys.J. C73 (2013) no.10, 2610.
- 330) [Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.7389 [hep-ex]].
[10.1007/JHEP10\(2013\)062](#).
JHEP 1310 (2013) 062.
- 331) [Measurement of neutral strange particle production in the underlying event in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.6016 [hep-ex]].
[10.1103/PhysRevD.88.052001](#).
Phys.Rev. D88 (2013) 052001.
- 332) [Study of exclusive two-photon production of \$W^+W^-\$ in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV and constraints on anomalous quartic gauge couplings.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.5596 [hep-ex]].
[10.1007/JHEP07\(2013\)116](#).
JHEP 1307 (2013) 116.
- 333) [Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.2390 [hep-ex]].
[10.1016/j.physletb.2013.06.058](#).
Phys.Lett. B725 (2013) 243-270.
- 334) [Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.0609 [nucl-ex]].
[10.1016/j.physletb.2013.06.028](#).
Phys.Lett. B724 (2013) 213-240.
- 335) [Searches for long-lived charged particles in pp collisions at \$\sqrt{s} = 7\$ and 8 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1305.0491 [hep-ex]].
[10.1007/JHEP07\(2013\)122](#).
JHEP 1307 (2013) 122.

- 336) [Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at \$\sqrt{s} = 7\$ TeV and first determination of the strong coupling constant in the TeV range.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1304.7498 [hep-ex]].
[10.1140/epjc/s10052-013-2604-6](#).
Eur.Phys.J. C73 (2013) no.10, 2604.
- 337) [Measurement of the \$\Lambda_b^0\$ lifetime in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1304.7495 [hep-ex]].
[10.1007/JHEP07\(2013\)163](#).
JHEP 1307 (2013) 163.
- 338) [Measurement of masses in the \$t\bar{t}\$ system by kinematic endpoints in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1304.5783 [hep-ex]].
[10.1140/epjc/s10052-013-2494-7](#).
Eur.Phys.J. C73 (2013) 2494.
- 339) [Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1304.0213 [hep-ex]].
[10.1140/epjc/s10052-013-2469-8](#).
Eur.Phys.J. C73 (2013) 2469.
- 340) [Measurement of the \$\Upsilon\(1S\)\$, \$\Upsilon\(2S\)\$, and \$\Upsilon\(3S\)\$ cross sections in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.5900 [hep-ex]].
[10.1016/j.physletb.2013.10.033](#).
Phys.Lett. B727 (2013) 101-125.
- 341) [Search for microscopic black holes in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.5338 [hep-ex]].
[10.1007/JHEP07\(2013\)178](#).
JHEP 1307 (2013) 178.
- 342) [Studies of jet mass in dijet and W/Z + jet events.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.4811 [hep-ex]].
[10.1007/JHEP05\(2013\)090](#).
JHEP 1305 (2013) 090.
- 343) [Observation of a new boson with mass near 125 GeV in pp collisions at \$\sqrt{s} = 7\$ and 8 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.4571 [hep-ex]].
[10.1007/JHEP06\(2013\)081](#).
JHEP 1306 (2013) 081.
- 344) [Measurement of associated production of vector bosons and top quark-antiquark pairs at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.3239 [hep-ex]].
[10.1103/PhysRevLett.110.172002](#).
Phys.Rev.Lett. 110 (2013) 172002.
- 345) [Search for supersymmetry in hadronic final states with missing transverse energy using the variables \$\alpha_T\$ and b-quark multiplicity in pp collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.2985 [hep-ex]].
[10.1140/epjc/s10052-013-2568-6](https://doi.org/10.1140/epjc/s10052-013-2568-6).
Eur.Phys.J. C73 (2013) no.9, 2568.

346) [Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1303.0763 [hep-ex]].
[10.1007/JHEP05\(2013\)145](https://doi.org/10.1007/JHEP05(2013)145).
JHEP 1305 (2013) 145.

347) [Search for narrow resonances using the dijet mass spectrum in pp collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.4794 [hep-ex]].
[10.1103/PhysRevD.87.114015](https://doi.org/10.1103/PhysRevD.87.114015).
Phys.Rev. D87 (2013) no.11, 114015.

348) [Measurement of the X\(3872\) production cross section via decays to \$J/\psi\$ \$\pi\$ \$\pi\$ in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.3968 [hep-ex]].
[10.1007/JHEP04\(2013\)154](https://doi.org/10.1007/JHEP04(2013)154).
JHEP 1304 (2013) 154.

349) [Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton–proton collisions at 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.2892 [hep-ex]].
[10.1016/j.physletb.2013.04.017](https://doi.org/10.1016/j.physletb.2013.04.017).
Phys.Lett. B722 (2013) 207-232.

350) [Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.2812 [hep-ex]].
[10.1103/PhysRevD.87.072005](https://doi.org/10.1103/PhysRevD.87.072005).
Phys.Rev. D87 (2013) no.7, 072005.

351) [Study of the underlying event at forward rapidity in pp collisions at \$\sqrt{s} = 0.9, 2.76,\$ and 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.2394 [hep-ex]].
[10.1007/JHEP04\(2013\)072](https://doi.org/10.1007/JHEP04(2013)072).
JHEP 1304 (2013) 072.

352) [Searches for Higgs bosons in pp collisions at \$\sqrt{s} = 7\$ and 8 TeV in the context of four-generation and fermiophobic models.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.1764 [hep-ex]].
[10.1016/j.physletb.2013.06.043](https://doi.org/10.1016/j.physletb.2013.06.043).
Phys.Lett. B725 (2013) 36-59.

353) [Search for pair-produced dijet resonances in four-jet final states in pp collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.0531 [hep-ex]].
[10.1103/PhysRevLett.110.141802](https://doi.org/10.1103/PhysRevLett.110.141802).
Phys.Rev.Lett. 110 (2013) no.14, 141802.

354) [Measurement of the \$t\bar{t}\$ production cross section in the all-jet final state in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1302.0508 [hep-ex]].
[10.1007/JHEP05\(2013\)065](https://doi.org/10.1007/JHEP05(2013)065).
JHEP 1305 (2013) 065.

355) [Measurement of the top-antitop production cross section in the tau+jets channel in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.5755 [hep-ex]].
[10.1140/epjc/s10052-013-2386-x](https://doi.org/10.1140/epjc/s10052-013-2386-x).
Eur.Phys.J. C73 (2013) no.4, 2386.

356) [Search for contact interactions using the inclusive jet \$p_T\$ spectrum in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.5023 [hep-ex]].
[10.1103/PhysRevD.87.052017](https://doi.org/10.1103/PhysRevD.87.052017).
Phys.Rev. D87 (2013) no.5, 052017.

357) [Measurement of \$W+W-\$ and \$ZZ\$ production cross sections in \$pp\$ collisions at \$\sqrt{s} = 8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.4698 [hep-ex]].
[10.1016/j.physletb.2013.03.027](https://doi.org/10.1016/j.physletb.2013.03.027).
Phys.Lett. B721 (2013) 190-211.

358) [Search for physics beyond the standard model in events with \$\tau\$ leptons, jets, and large transverse momentum imbalance in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.3792 [hep-ex]].
[10.1140/epjc/s10052-013-2493-8](https://doi.org/10.1140/epjc/s10052-013-2493-8).
Eur.Phys.J. C73 (2013) 2493.

359) [Interpretation of Searches for Supersymmetry with simplified Models.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.2175 [hep-ex]].
[10.1103/PhysRevD.88.052017](https://doi.org/10.1103/PhysRevD.88.052017).
Phys.Rev. D88 (2013) no.5, 052017.

360) [Event shapes and azimuthal correlations in \$ZS + jets\$ events in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.1646 [hep-ex]].
[10.1016/j.physletb.2013.04.025](https://doi.org/10.1016/j.physletb.2013.04.025).
Phys.Lett. B722 (2013) 238-261.

361) [Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1301.0916 [hep-ex]].
[10.1103/PhysRevD.87.072001](https://doi.org/10.1103/PhysRevD.87.072001).
Phys.Rev. D87 (2013) no.7, 072001.

362) [Search for supersymmetry in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV in events with a single lepton, jets, and missing transverse momentum.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6428 [hep-ex]].
[10.1140/epjc/s10052-013-2404-z](https://doi.org/10.1140/epjc/s10052-013-2404-z).
Eur.Phys.J. C73 (2013) 2404.

363) [Study of the Mass and Spin-Parity of the Higgs Boson Candidate Via Its Decays to \$Z\$ Boson Pairs.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1212.6639 [hep-ex]].
[10.1103/PhysRevLett.110.081803](https://arxiv.org/abs/10.1103/PhysRevLett.110.081803).
Phys.Rev.Lett. 110 (2013) no.8, 081803.

364) [Measurements of differential jet cross sections in proton-proton collisions at \$\sqrt{s}=7\$ TeV with the CMS detector.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6660 [hep-ex]].
[10.1103/PhysRevD.87.112002](https://arxiv.org/abs/10.1103/PhysRevD.87.112002), [10.1103/PhysRevD.87.119902](https://arxiv.org/abs/10.1103/PhysRevD.87.119902).
Phys.Rev. D87 (2013) no.11, 112002, Erratum: Phys.Rev. D87 (2013) no.11, 119902.

365) [Measurement of the \$t\bar{t}\$ production cross section in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV with lepton + jets final states.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6682].
[10.1016/j.physletb.2013.02.021](https://arxiv.org/abs/10.1016/j.physletb.2013.02.021).
Phys.Lett. B720 (2013) 83-104.

366) [Inclusive search for supersymmetry using the razor variables in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6961 [hep-ex]].
[10.1103/PhysRevLett.111.081802](https://arxiv.org/abs/10.1103/PhysRevLett.111.081802).
Phys.Rev.Lett. 111 (2013) no.8, 081802.

367) [Search for new physics in events with same-sign dileptons and \$b\$ jets in \$pp\$ collisions at \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6194 [hep-ex]].
[10.1007/JHEP07\(2013\)041](https://arxiv.org/abs/10.1007/JHEP07(2013)041), [10.1007/JHEP03\(2013\)037](https://arxiv.org/abs/10.1007/JHEP03(2013)037).
JHEP 1303 (2013) 037, Erratum: JHEP 1307 (2013) 041.

368) [Search for heavy narrow dilepton resonances in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV and \$\sqrt{s}=8\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.6175 [hep-ex]].
[10.1016/j.physletb.2013.02.003](https://arxiv.org/abs/10.1016/j.physletb.2013.02.003).
Phys.Lett. B720 (2013) 63-82.

369) [Search for contact interactions in \$\mu^+\mu^-\$ events in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.4563 [hep-ex]].
[10.1103/PhysRevD.87.032001](https://arxiv.org/abs/10.1103/PhysRevD.87.032001).
Phys.Rev. D87 (2013) no.3, 032001.

370) [Search for heavy resonances in the W/Z-tagged dijet mass spectrum in \$pp\$ collisions at 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.1910 [hep-ex]].
[10.1016/j.physletb.2013.05.040](https://arxiv.org/abs/10.1016/j.physletb.2013.05.040).
Phys.Lett. B723 (2013) 280-301.

371) [Search for long-lived particles decaying to photons and missing energy in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1212.1838 [hep-ex]].
[10.1016/j.physletb.2013.04.027](https://arxiv.org/abs/10.1016/j.physletb.2013.04.027).
Phys.Lett. B722 (2013) 273-294.

372) [Search for exotic resonances decaying into \$WZ/ZZ\$ in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1211.5779 [hep-ex]].

[10.1007/JHEP02\(2013\)036](#).
JHEP 1302 (2013) 036.

373) [Measurement of the \$ZZ\$ production cross section and search for anomalous couplings in 2 \$121'\$ final states in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.4890 [hep-ex]].

[10.1007/JHEP01\(2013\)063](#).

JHEP 1301 (2013) 063.

374) [Search for new physics in events with photons, jets, and missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.4784 [hep-ex]].

[10.1007/JHEP03\(2013\)111](#).

JHEP 1303 (2013) 111.

375) [Identification of b-quark jets with the CMS experiment.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.4462 [hep-ex]].

[10.1088/1748-0221/8/04/P04013](#).

JINST 8 (2013) P04013.

376) [Search for \$ZZ'\$ resonances decaying to \$\bar{t}t\$ in dilepton+jets final states in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.3338 [hep-ex]].

[10.1103/PhysRevD.87.072002](#).

Phys.Rev. D87 (2013) no.7, 072002.

377) [Search for supersymmetry in final states with a single lepton, \$b\$ -quark jets, and missing transverse energy in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.3143 [hep-ex]].

[10.1103/PhysRevD.87.052006](#).

Phys.Rev. D87 (2013) no.5, 052006.

378) [Search in leptonic channels for heavy resonances decaying to long-lived neutral particles.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.2472 [hep-ex]].

[10.1007/JHEP02\(2013\)085](#).

JHEP 1302 (2013) 085.

379) [Measurement of differential top-quark pair production cross sections in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1211.2220 [hep-ex]].

[10.1140/epjc/s10052-013-2339-4](#).

Eur.Phys.J. C73 (2013) no.3, 2339.

380) [Large Synoptic Survey Telescope: Dark Energy Science Collaboration.](#)

By LSST Dark Energy Science Collaboration (Alexandra Abate et al.).

[arXiv:1211.0310 [astro-ph.CO]].

381) [Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or at least 3 b-quark jets in 7 TeV \$pp\$ collisions using the variable \$\alpha_T\$.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.8115 [hep-ex]].

[10.1007/JHEP01\(2013\)077](#).

JHEP 1301 (2013) 077.

382) [Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.7619 [hep-ex]].
[10.1016/j.physletb.2013.09.009](#).
Phys.Lett. B726 (2013) 564-586.

383) [Measurement of the sum of \$WW\$ and \$WZ\$ production with \$W\$ +dijet events in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.7544 [hep-ex]].
[10.1140/epjc/s10052-013-2283-3](#).
Eur.Phys.J. C73 (2013) no.2, 2283.

384) [Search for heavy quarks decaying into a top quark and a \$WW\$ or \$WZ\$ boson using lepton + jets events in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.7471 [hep-ex]].
[10.1007/JHEP01\(2013\)154](#).
JHEP 1301 (2013) 154.

385) [Measurement of the inelastic proton-proton cross section at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.6718 [hep-ex]].
[10.1016/j.physletb.2013.03.024](#).
Phys.Lett. B722 (2013) 5-27.

386) [Search for pair production of third-generation leptoquarks and top squarks in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.5629 [hep-ex]].
[10.1103/PhysRevLett.110.081801](#).
Phys.Rev.Lett. 110 (2013) no.8, 081801.

387) [Search for third-generation leptoquarks and scalar bottom quarks in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.5627 [hep-ex]].
[10.1007/JHEP12\(2012\)055](#).
JHEP 1212 (2012) 055.

388) [Observation of long-range near-side angular correlations in proton-lead collisions at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.5482 [nucl-ex]].
[10.1016/j.physletb.2012.11.025](#).
Phys.Lett. B718 (2013) 795-814.

389) [Observation of \$Z\$ decays to four leptons with the CMS detector at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.3844 [hep-ex]].
[10.1007/JHEP12\(2012\)034](#).
JHEP 1212 (2012) 034.

390) [Search for excited leptons in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1210.2422 [hep-ex]].
[10.1016/j.physletb.2013.02.031](#).
Phys.Lett. B720 (2013) 309-329.

391) [Search for heavy neutrinos and \$W\$ \[\$R\$ \] bosons with right-handed couplings in a left-right symmetric model](#)

[in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.2402 [hep-ex]].

[10.1103/PhysRevLett.109.261802.](#)

Phys.Rev.Lett. 109 (2012) 261802.

392) [Search for narrow resonances and quantum black holes in inclusive and \$b\$ -tagged dijet mass spectra from \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.2387 [hep-ex]].

[10.1007/JHEP01\(2013\)013.](#)

JHEP 1301 (2013) 013.

393) [Search for fractionally charged particles in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.2311 [hep-ex]].

[10.1103/PhysRevD.87.092008.](#)

Phys.Rev. D87 (2013) no.9, 092008.

394) [Search for supersymmetry in events with photons and low missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.2052 [hep-ex]].

[10.1016/j.physletb.2012.12.055.](#)

Phys.Lett. B719 (2013) 42-61.

395) [Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.1797 [hep-ex]].

[10.1016/j.physletb.2012.10.070.](#)

Phys.Lett. B718 (2012) 348-368.

396) [Updated Measurement of the Strong Phase in \$D^0 \rightarrow K^+ \pi^-\$ Decay Using Quantum Correlations in \$e^+e^- \rightarrow D^0 \bar{D}^0\$ at CLEO.](#)

By CLEO Collaboration (D.M. Asner et al.).

[arXiv:1210.0939 [hep-ex]].

[10.1103/PhysRevD.86.112001.](#)

Phys.Rev. D86 (2012) 112001.

396a) "Prototype pipeline for LSST wavefront sensing and reconstruction," C. Claver et al. Proc. SPIE 8444, p. 84444P, 2012.

397) [Measurement of the relative prompt production rate of \$\chi\(c2\)\$ and \$\chi\(c1\)\$ in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.0875 [hep-ex]].

[10.1140/epjc/s10052-012-2251-3.](#)

Eur.Phys.J. C72 (2012) 2251.

398) [Search for anomalous production of highly boosted \$Z\$ bosons decaying to \$\mu^+ \mu^-\$ in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1210.0867 [hep-ex]].

[10.1016/j.physletb.2013.03.037.](#)

Phys.Lett. B722 (2013) 28-47.

399) [Search for electroweak production of charginos and neutralinos using leptonic final states in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1209.6620 [hep-ex]].
[10.1007/JHEP11\(2012\)147](https://doi.org/10.1007/JHEP11(2012)147).
JHEP 1211 (2012) 147.

400) [Measurement of the single-top-quark \$t\$ -channel cross section in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.4533 [hep-ex]].
[10.1007/JHEP12\(2012\)035](https://doi.org/10.1007/JHEP12(2012)035).
JHEP 1212 (2012) 035.

401) [Search for resonant \$t\$ production in lepton+jets events in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.4397 [hep-ex]].
[10.1007/JHEP12\(2012\)015](https://doi.org/10.1007/JHEP12(2012)015).
JHEP 1212 (2012) 015.

402) [Search for the standard model Higgs boson produced in association with \$W\$ and \$Z\$ bosons in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.3937 [hep-ex]].
[10.1007/JHEP11\(2012\)088](https://doi.org/10.1007/JHEP11(2012)088).
JHEP 1211 (2012) 088.

403) [Search for a narrow spin-2 resonance decaying to a pair of \$Z\$ vector bosons in the semileptonic final state.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.3807 [hep-ex]].
[10.1016/j.physletb.2012.11.063](https://doi.org/10.1016/j.physletb.2012.11.063).
Phys.Lett. B718 (2013) 1208-1228.

404) [Evidence for associated production of a single top quark and \$W\$ boson in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.3489 [hep-ex]].
[10.1103/PhysRevLett.110.022003](https://doi.org/10.1103/PhysRevLett.110.022003).
Phys.Rev.Lett. 110 (2013) 022003.

405) [Measurement of the \$Y\(1S\)\$, \$Y\(2S\)\$ and \$Y\(3S\)\$ polarizations in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.2922 [hep-ex]].
[10.1103/PhysRevLett.110.081802](https://doi.org/10.1103/PhysRevLett.110.081802).
Phys.Rev.Lett. 110 (2013) no.8, 081802.

406) [Measurement of the top-quark mass in \$t\$ events with dilepton final states in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.2393 [hep-ex]].
[10.1140/epjc/s10052-012-2202-z](https://doi.org/10.1140/epjc/s10052-012-2202-z).
Eur.Phys.J. C72 (2012) 2202.

407) [Measurement of the top-quark mass in \$t\$ events with lepton+jets final states in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.2319 [hep-ex]].
[10.1007/JHEP12\(2012\)105](https://doi.org/10.1007/JHEP12(2012)105).
JHEP 1212 (2012) 105.

408) [Observation of a diffractive contribution to dijet production in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1209.1805 [hep-ex]].

[10.1103/PhysRevD.87.012006](#).
Phys.Rev. D87 (2013) no.1, 012006.

409) [Search for exclusive or semi-exclusive photon pair production and observation of exclusive and semi-exclusive electron pair production in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1209.1666 [hep-ex]].

[10.1007/JHEP11\(2012\)080](#).

JHEP 1211 (2012) 080.

410) [Combined search for the quarks of a sequential fourth generation.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1209.1062 [hep-ex]].

[10.1103/PhysRevD.86.112003](#).

Phys.Rev. D86 (2012) 112003.

411) [Search for pair produced fourth-generation up-type quarks in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV with a lepton in the final state.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1209.0471 [hep-ex]].

[10.1016/j.physletb.2012.10.038](#).

Phys.Lett. B718 (2012) 307-328.

412) [Search for supersymmetry in events with b-quark jets and missing transverse energy in \$pp\$ collisions at 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.4859 [hep-ex]].

[10.1103/PhysRevD.86.072010](#).

Phys.Rev. D86 (2012) 072010.

413) [Study of the dijet mass spectrum in \$pp \rightarrow W + \text{jets}\$ events at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.3477 [hep-ex]].

[10.1103/PhysRevLett.109.251801](#).

Phys.Rev.Lett. 109 (2012) 251801.

414) [Search for three-jet resonances in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.2931 [hep-ex]].

[10.1016/j.physletb.2012.10.048](#).

Phys.Lett. B718 (2012) 329-347.

*414a) [Observation of sequential Upsilon suppression in PbPb collisions.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.2826 [nucl-ex]].

[10.1103/PhysRevLett.109.222301](#).

Phys.Rev.Lett. 109 (2012) 222301.

415) [Measurement of the \$\bar{t}t\$ production cross section in the dilepton channel in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.2671 [hep-ex]].

[10.1007/JHEP11\(2012\)067](#).

JHEP 1211 (2012) 067.

416) [Measurement of the azimuthal anisotropy of neutral pions in PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.2470 [nucl-ex]].

[10.1103/PhysRevLett.110.042301](#).

Phys.Rev.Lett. 110 (2013) no.4, 042301.

417) [Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.0957 [hep-ex]].

[10.1016/j.physletb.2012.12.045.](#)

Phys.Lett. B718 (2013) 1252-1272.

418) [Search for a \$W\$ boson decaying to a bottom quark and a top quark in pp collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1208.0956 [hep-ex]].

[10.1016/j.physletb.2012.12.008.](#)

Phys.Lett. B718 (2013) 1229-1251.

419) [Simulation and laboratory test results of 3D CMS pixel detectors for HL-LHC.](#)

By E. Alagoz et al..

[10.1088/1748-0221/7/08/P08023.](#)

JINST 7 (2012) P08023.

420) [Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.7235 [hep-ex]].

[10.1016/j.physletb.2012.08.021.](#)

Phys.Lett. B716 (2012) 30-61.

421) [Search for heavy Majorana neutrinos in \$\mu^+\mu^- +\$ jets and \$e^+e^- +\$ jets events in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.6079 [hep-ex]].

[10.1016/j.physletb.2012.09.012.](#)

Phys.Lett. B717 (2012) 109-128.

422) [Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.5406 [hep-ex]].

[10.1103/PhysRevD.86.052013.](#)

Phys.Rev. D86 (2012) 052013.

423) [Study of the inclusive production of charged pions, kaons, and protons in pp collisions at \$\sqrt{s}=0.9\$, 2.76, and 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.4724 [hep-ex]].

[10.1140/epjc/s10052-012-2164-1.](#)

Eur.Phys.J. C72 (2012) 2164.

424) [Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.3973 [hep-ex]].

[10.1016/j.physletb.2012.10.082.](#)

Phys.Lett. B718 (2013) 752-772.

425) [A search for a doubly-charged Higgs boson in pp collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.2666 [hep-ex]].

[10.1140/epjc/s10052-012-2189-5.](#)

Eur.Phys.J. C72 (2012) 2189.

426) [Measurement of the underlying event activity in pp collisions at \$\sqrt{s} = 0.9\$ and 7 TeV with the](#)

[novel jet-area/median approach.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.2392 [hep-ex]].

[10.1007/JHEP08\(2012\)130.](#)

JHEP 1208 (2012) 130.

427) [Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.1898 [hep-ex]].

[10.1103/PhysRevLett.109.171803.](#)

Phys.Rev.Lett. 109 (2012) 171803.

428) [Search for supersymmetry in hadronic final states using \$MT_2\$ in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.1798 [hep-ex]].

[10.1007/JHEP10\(2012\)018.](#)

JHEP 1210 (2012) 018.

429) [Search for a fermiophobic Higgs boson in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.1130 [hep-ex]].

[10.1007/JHEP09\(2012\)111.](#)

JHEP 1209 (2012) 111.

430) [Search for new physics with long-lived particles decaying to photons and missing energy in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.0627 [hep-ex]].

[10.1007/JHEP11\(2012\)172.](#)

JHEP 1211 (2012) 172.

431) [Search for stopped long-lived particles produced in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.0106 [hep-ex]].

[10.1007/JHEP08\(2012\)026.](#)

JHEP 1208 (2012) 026.

432) [Inclusive and differential measurements of the \$t\bar{t}\$ charge asymmetry in proton-proton collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1207.0065 [hep-ex]].

[10.1016/j.physletb.2012.09.028.](#)

Phys.Lett. B717 (2012) 129-150.

433) [Search for a light pseudoscalar Higgs boson in the dimuon decay channel in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1206.6326 [hep-ex]].

[10.1103/PhysRevLett.109.121801.](#)

Phys.Rev.Lett. 109 (2012) 121801.

434) [Search for dark matter and large extra dimensions in monojet events in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1206.5663 [hep-ex]].

[10.1007/JHEP09\(2012\)094.](#)

JHEP 1209 (2012) 094.

435) [Performance of CMS muon reconstruction in \$pp\$ collision events at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.4071 [physics.ins-det]].
[10.1088/1748-0221/7/10/P10002](https://doi.org/10.1088/1748-0221/7/10/P10002).
JINST 7 (2012) P10002.

436) [Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.3949 [hep-ex]].
[10.1016/j.physletb.2012.11.036](https://doi.org/10.1016/j.physletb.2012.11.036).
Phys.Lett. B718 (2013) 815-840.

437) [Search for charge-asymmetric production of \$W\$'s bosons in \$t\bar{t} + \text{jet}\$ events from \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.3921 [hep-ex]].
[10.1016/j.physletb.2012.09.048](https://doi.org/10.1016/j.physletb.2012.09.048).
Phys.Lett. B717 (2012) 351-370.

438) [Measurement of the electron charge asymmetry in inclusive \$W\$ production in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.2598 [hep-ex]].
[10.1103/PhysRevLett.109.111806](https://doi.org/10.1103/PhysRevLett.109.111806).
Phys.Rev.Lett. 109 (2012) 111806.

439) [Search for narrow resonances in dilepton mass spectra in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.1849 [hep-ex]].
[10.1016/j.physletb.2012.06.051](https://doi.org/10.1016/j.physletb.2012.06.051).
Phys.Lett. B714 (2012) 158-179.

440) [Search for high-mass resonances decaying into \$\tau\$ -lepton pairs in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.1725 [hep-ex]].
[10.1016/j.physletb.2012.07.062](https://doi.org/10.1016/j.physletb.2012.07.062).
Phys.Lett. B716 (2012) 82-102.

441) [Search for a \$W^{\prime}\$ or Techni- \$\rho\$ Decaying into \$WZ\$ in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1206.0433 [hep-ex]].
[10.1103/PhysRevLett.109.141801](https://doi.org/10.1103/PhysRevLett.109.141801).
Phys.Rev.Lett. 109 (2012) 141801.

442) [Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.6615 [hep-ex]].
[10.1103/PhysRevLett.109.071803](https://doi.org/10.1103/PhysRevLett.109.071803).
Phys.Rev.Lett. 109 (2012) 071803.

443) [Study of \$W\$ boson production in PbPb and \$pp\$ collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.6334 [nucl-ex]].
[10.1016/j.physletb.2012.07.025](https://doi.org/10.1016/j.physletb.2012.07.025).
Phys.Lett. B715 (2012) 66-87.

444) [Measurement of jet fragmentation into charged particles in \$pp\$ and PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.5872 [nucl-ex]].

[10.1007/JHEP10\(2012\)087](#).
JHEP 1210 (2012) 087.

445) [Search for a light charged Higgs boson in top quark decays in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.5736 [hep-ex]].
[10.1007/JHEP07\(2012\)143](#).
JHEP 1207 (2012) 143.

446) [Search for new physics in events with same-sign dileptons and \$b\$ -tagged jets in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.3933 [hep-ex]].
[10.1007/JHEP08\(2012\)110](#).
JHEP 1208 (2012) 110.

447) [Measurement of the pseudorapidity and centrality dependence of the transverse energy density in PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.2488 [nucl-ex]].
[10.1103/PhysRevLett.109.152303](#).
Phys.Rev.Lett. 109 (2012) 152303.

448) [Measurement of the \$\Lambda_b\$ cross section and the \$\bar{\Lambda}_b\$ to \$\Lambda_b\$ ratio with \$J/\Psi \Lambda_b\$ decays in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.0594 [hep-ex]].
[10.1016/j.physletb.2012.05.063](#).
Phys.Lett. B714 (2012) 136-157.

449) [Search for heavy long-lived charged particles in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.0272 [hep-ex]].
[10.1016/j.physletb.2012.06.023](#).
Phys.Lett. B713 (2012) 408-433.

450) [Studies of jet quenching using isolated-photon+jet correlations in PbPb and \$pp\$ collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1205.0206 [nucl-ex]].
[10.1016/j.physletb.2012.11.003](#).
Phys.Lett. B718 (2013) 773-794.

451) [Observation of a new \$\Xi\(b\)\$ baryon.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.5955 [hep-ex]].
[10.1103/PhysRevLett.108.252002](#).
Phys.Rev.Lett. 108 (2012) 252002.

452) [Search for anomalous production of multilepton events in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.5341 [hep-ex]].
[10.1007/JHEP06\(2012\)169](#).
JHEP 1206 (2012) 169.

453) [Search for leptonic decays of \$W\$ bosons in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.4764 [hep-ex]].
[10.1007/JHEP08\(2012\)023](#).
JHEP 1208 (2012) 023.

- 454) [Search for physics beyond the standard model in events with a \$Z\$ boson, jets, and missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.3774 [hep-ex]].
[10.1016/j.physletb.2012.08.026](#).
Phys.Lett. B716 (2012) 260-284.
- 455) [Shape, Transverse Size, and Charged Hadron Multiplicity of Jets in \$pp\$ Collisions at 7 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.3170 [hep-ex]].
[10.1007/JHEP06\(2012\)160](#).
JHEP 1206 (2012) 160.
- 456) [Measurement of the mass difference between top and antitop quarks.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.2807 [hep-ex]].
[10.1007/JHEP06\(2012\)109](#).
JHEP 1206 (2012) 109.
- 457) [Search for Anomalous \$t\bar{t}\$ Production in the Highly-Boosted All-Hadronic Final State.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.2488 [hep-ex]].
[10.1007/JHEP03\(2014\)132](#), [10.1007/JHEP09\(2012\)029](#).
JHEP 1209 (2012) 029, Erratum: JHEP 1403 (2014) 132.
- 458) [Azimuthal anisotropy of charged particles at high transverse momenta in PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.1850 [nucl-ex]].
[10.1103/PhysRevLett.109.022301](#).
Phys.Rev.Lett. 109 (2012) 022301.
- 459) [Measurement of the \$Z/\gamma^*+b\$ -jet cross section in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.1643 [hep-ex]].
[10.1007/JHEP06\(2012\)126](#).
JHEP 1206 (2012) 126.
- 460) [Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.1409 [nucl-ex]].
[10.1103/PhysRevC.87.014902](#).
Phys.Rev. C87 (2013) no.1, 014902.
- 461) [Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.1411 [hep-ex]].
[10.1140/epjc/s10052-012-2080-4](#).
Eur.Phys.J. C72 (2012) 2080.
- 462) [Search for heavy bottom-like quarks in 4.9 inverse femtobarns of \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1204.1088 [hep-ex]].
[10.1007/JHEP05\(2012\)123](#).
JHEP 1205 (2012) 123.
- 463) [Search for Dark Matter and Large Extra Dimensions in \$pp\$ Collisions Yielding a Photon and Missing](#)

[Transverse Energy.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1204.0821 [hep-ex]].

[10.1103/PhysRevLett.108.261803.](#)

Phys.Rev.Lett. 108 (2012) 261803.

464) [Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1204.0696 [hep-ex]].

[10.1140/epjc/s10052-012-2216-6.](#)

Eur.Phys.J. C72 (2012) 2216.

465) [Search for heavy, top-like quark pair production in the dilepton final state in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1203.5410 [hep-ex]].

[10.1016/j.physletb.2012.07.059.](#)

Phys.Lett. B716 (2012) 103-121.

466) [Search for \$B^0 \rightarrow \mu^+ \mu^-\$ and \$B^0 \rightarrow \mu^+ \mu^-\$ decays.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1203.3976 [hep-ex]].

[10.1007/JHEP04\(2012\)033.](#)

JHEP 1204 (2012) 033.

467) [Studies of the decays \$D^0 \rightarrow K^+ K^- \pi^+\$ and \$D^0 \rightarrow K^+ K^- \pi^-\$.](#)

By CLEO Collaboration (J. Insler et al.).

[arXiv:1203.3804 [hep-ex]].

[10.1103/PhysRevD.85.092016.](#)

Phys.Rev. D85 (2012) 092016.

468) [Measurement of the cross section for production of \$b\bar{b}\$, decaying to muons in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1203.3458 [hep-ex]].

[10.1007/JHEP06\(2012\)110.](#)

JHEP 1206 (2012) 110.

469) [Measurement of the top quark pair production cross section in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV in dilepton final states containing a \$\tau\$.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1203.6810 [hep-ex]].

[10.1103/PhysRevD.85.112007.](#)

Phys.Rev. D85 (2012) 112007.

470) [Search for microscopic black holes in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1202.6396 [hep-ex]].

[10.1007/JHEP04\(2012\)061.](#)

JHEP 1204 (2012) 061.

471) [Search for quark compositeness in dijet angular distributions from \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1202.5535 [hep-ex]].

[10.1007/JHEP05\(2012\)055.](#)

JHEP 1205 (2012) 055.

472) [Jet momentum dependence of jet quenching in PbPb collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1202.5022 [nucl-ex]].
[10.1016/j.physletb.2012.04.058](https://arxiv.org/abs/10.1016/j.physletb.2012.04.058).
Phys.Lett. B712 (2012) 176-197.

473) [Inclusive \$b\bar{b}\$ -jet production in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.4617 [hep-ex]].
[10.1007/JHEP04\(2012\)084](https://arxiv.org/abs/10.1007/JHEP04(2012)084).
JHEP 1204 (2012) 084.

474) [Search for the standard model Higgs boson decaying to bottom quarks in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.4195 [hep-ex]].
[10.1016/j.physletb.2012.02.085](https://arxiv.org/abs/10.1016/j.physletb.2012.02.085).
Phys.Lett. B710 (2012) 284-306.

475) [Search for neutral Higgs bosons decaying to tau pairs in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.4083 [hep-ex]].
[10.1016/j.physletb.2012.05.028](https://arxiv.org/abs/10.1016/j.physletb.2012.05.028).
Phys.Lett. B713 (2012) 68-90.

476) [Search for large extra dimensions in dimuon and dielectron events in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.3827 [hep-ex]].
[10.1016/j.physletb.2012.03.029](https://arxiv.org/abs/10.1016/j.physletb.2012.03.029).
Phys.Lett. B711 (2012) 15-34.

477) [Search for the standard model Higgs boson in the \$HH\$ to \$ZZ\$ to \$2\ell\ell\$ channel in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.3478 [hep-ex]].
[10.1007/JHEP03\(2012\)040](https://arxiv.org/abs/10.1007/JHEP03(2012)040).
JHEP 1203 (2012) 040.

478) [Search for the standard model Higgs boson in the \$HH\$ to \$ZZ\$ to \$\ell\ell\ell\ell\$ decay channel in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.3617 [hep-ex]].
[10.1007/JHEP03\(2012\)081](https://arxiv.org/abs/10.1007/JHEP03(2012)081).
JHEP 1203 (2012) 081.

479) [Study of high- \$p_T\$ charged particle suppression in PbPb compared to \$pp\bar{p}\$ collisions at \$\sqrt{s_{NN}}=2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.2554 [nucl-ex]].
[10.1140/epjc/s10052-012-1945-x](https://arxiv.org/abs/10.1140/epjc/s10052-012-1945-x).
Eur.Phys.J. C72 (2012) 1945.

480) [Search for the standard model Higgs boson in the decay channel \$HH\$ to \$ZZ\$ to 4 leptons in \$pp\bar{p}\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1202.1997 [hep-ex]].
[10.1103/PhysRevLett.108.111804](https://arxiv.org/abs/10.1103/PhysRevLett.108.111804).
Phys.Rev.Lett. 108 (2012) 111804.

481) [Search for the standard model Higgs boson decaying to \$W^+W^-\$ in the fully leptonic final state in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).

Science 338 (2012) 1569-1575.

491) [Maintaining and improving of the training program on the analysis software in CMS.](#)

By S. Malik, F. Hoehle, K. Lassila-Perini, A. Hinzmann, R. Wolf, I. Shipsey.

[10.1088/1742-6596/396/6/062013.](#)

J.Phys.Conf.Ser. 396 (2012) 062013.

492) [Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1112.5100 [hep-ex]].

[10.1016/j.physletb.2012.01.078.](#)

Phys.Lett. B709 (2012) 28-49.

*492a) [First Measurement of the Form Factors in the Decays \$D^0 \rightarrow \rho^+ e^- \nu_e\$ and \$D^+ \rightarrow \rho^0 e^+ \nu_e\$.](#)

By CLEO Collaboration (S. Dobbs et al.).

[arXiv:1112.2884 [hep-ex]].

[10.1103/PhysRevLett.110.131802.](#)

Phys.Rev.Lett. 110 (2013) no.13, 131802.

493) [Search for signatures of extra dimensions in the diphoton mass spectrum at the Large Hadron Collider.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1112.0688 [hep-ex]].

[10.1103/PhysRevLett.108.111801.](#)

Phys.Rev.Lett. 108 (2012) 111801.

494) [Exclusive photon-photon production of muon pairs in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1111.5536 [hep-ex]].

[10.1007/JHEP01\(2012\)052.](#)

JHEP 1201 (2012) 052.

495) [Electrical characterization and preliminary beam test results of 3D silicon CMS pixel detectors.](#)

By Ozhan Koybasi et al..

[10.1109/TNS.2011.2117439.](#)

IEEE Trans.Nucl.Sci. 58 (2011) 1315-1323.

496) [\$J/\psi\$ and \$\psi\(2S\)\$ production in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1111.1557 [hep-ex]].

[10.1007/JHEP02\(2012\)011.](#)

JHEP 1202 (2012) 011.

497) [Measurement of the Production Cross Section for Pairs of Isolated Photons in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1110.6461 [hep-ex]].

[10.1007/JHEP01\(2012\)133.](#)

JHEP 1201 (2012) 133.

498) [Measurement of the Rapidity and Transverse Momentum Distributions of \$Z\$ Bosons in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1110.4973 [hep-ex]].

[10.1103/PhysRevD.85.032002.](#)

Phys.Rev. D85 (2012) 032002.

499) [Jet Production Rates in Association with \$W\$ and \$Z\$ Bosons in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1110.3226 [hep-ex]].
[10.1007/JHEP01\(2012\)010](https://arxiv.org/abs/10.1007/JHEP01(2012)010).
JHEP 1201 (2012) 010.

500) [Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1110.2682 [hep-ex]].
[10.1103/PhysRevD.84.112002](https://arxiv.org/abs/10.1103/PhysRevD.84.112002).
Phys.Rev. D84 (2011) 112002.

501) [Measurement of energy flow at large pseudorapidities in \$pp\$ collisions at \$\sqrt{s} = 0.9\$ and 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1110.0211 [hep-ex]].
[10.1007/JHEP11\(2011\)148](https://arxiv.org/abs/10.1007/JHEP11(2011)148), [10.1007/JHEP02\(2012\)055](https://arxiv.org/abs/10.1007/JHEP02(2012)055).
JHEP 1111 (2011) 148, Erratum: JHEP 1202 (2012) 055.

502) [Forward Energy Flow, Central Charged-Particle Multiplicities, and Pseudorapidity Gaps in W and Z Boson Events from pp Collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1110.0181 [hep-ex]].
[10.1140/epjc/s10052-011-1839-3](https://arxiv.org/abs/10.1140/epjc/s10052-011-1839-3).
Eur.Phys.J. C72 (2012) 1839.

503) [Performance of tau-lepton reconstruction and identification in CMS.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1109.6034 [physics.ins-det]].
[10.1088/1748-0221/7/01/P01001](https://arxiv.org/abs/10.1088/1748-0221/7/01/P01001).
JINST 7 (2012) P01001.

504) [Amplitude analyses of the decays \$\chi_{c1} \rightarrow \eta \pi^+ \pi^-\$ and \$\chi_{c1} \rightarrow \eta' \pi^+ \pi^-\$.](#)

By CLEO Collaboration (G.S. Adams et al.).
[arXiv:1109.5843 [hep-ex]].
[10.1103/PhysRevD.84.112009](https://arxiv.org/abs/10.1103/PhysRevD.84.112009).
Phys.Rev. D84 (2011) 112009.

505) [Search for a Vector-like Quark with Charge 2/3 in \$t\bar{t} + Z\$ Events from \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1109.4985 [hep-ex]].
[10.1103/PhysRevLett.107.271802](https://arxiv.org/abs/10.1103/PhysRevLett.107.271802).
Phys.Rev.Lett. 107 (2011) 271802.

506) [Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1109.2352 [hep-ex]].
[10.1103/PhysRevLett.107.221804](https://arxiv.org/abs/10.1103/PhysRevLett.107.221804).
Phys.Rev.Lett. 107 (2011) 221804.

507) [Measurement of the \$t\bar{t}\$ Production Cross Section in \$pp\$ Collisions at 7 TeV in Lepton + Jets Events Using \$b\$ -quark Jet Identification.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1108.3773 [hep-ex]].
[10.1103/PhysRevD.84.092004](https://arxiv.org/abs/10.1103/PhysRevD.84.092004).
Phys.Rev. D84 (2011) 092004.

508) [Measurement of the Differential Cross Section for Isolated Prompt Photon Production in pp Collisions at 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1108.2044 [hep-ex]].

[10.1103/PhysRevD.84.052011](#).
Phys.Rev. D84 (2011) 052011.

509) [Measurement of the Drell-Yan Cross Section in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1108.0566 [hep-ex]].
[10.1007/JHEP10\(2011\)007](#).
JHEP 1110 (2011) 007.

510) [Search for B\(s\) and B to dimuon decays in pp collisions at 7 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.5834 [hep-ex]].
[10.1103/PhysRevLett.107.191802](#).
Phys.Rev.Lett. 107 (2011) 191802.

511) [Search for Resonances in the Dijet Mass Spectrum from 7 TeV pp Collisions at CMS.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.4771 [hep-ex]].
[10.1016/j.physletb.2011.09.015](#).
Phys.Lett. B704 (2011) 123-142.

512) [Measurement of the Inclusive \$W\$ and \$Z\$ Production Cross Sections in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.4789 [hep-ex]].
[10.1007/JHEP10\(2011\)132](#).
JHEP 1110 (2011) 132.

513) [Dependence on pseudorapidity and centrality of charged hadron production in PbPb collisions at a nucleon-nucleon centre-of-mass energy of 2.76 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.4800 [nucl-ex]].
[10.1007/JHEP08\(2011\)141](#).
JHEP 1108 (2011) 141.

514) [Determination of Jet Energy Calibration and Transverse Momentum Resolution in CMS.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.4277 [physics.ins-det]].
[10.1088/1748-0221/6/11/P11002](#).
JINST 6 (2011) P11002.

515) [Search for Three-Jet Resonances in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.3084 [hep-ex]].
[10.1103/PhysRevLett.107.101801](#).
Phys.Rev.Lett. 107 (2011) 101801.

516) [Search for supersymmetry in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV in events with a single lepton, jets, and missing transverse momentum.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.1870 [hep-ex]].
[10.1007/JHEP08\(2011\)156](#).
JHEP 1108 (2011) 156.

517) [A search for excited leptons in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.1773 [hep-ex]].
[10.1016/j.physletb.2011.09.021](#).
Phys.Lett. B704 (2011) 143-162.

- 518) [Inclusive search for squarks and gluinos in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.1279 [hep-ex]].
[10.1103/PhysRevD.85.012004.](#)
Phys.Rev. D85 (2012) 012004.
- 519) [Measurement of the Underlying Event Activity at the LHC with \$\sqrt{s}=7\$ TeV and Comparison with \$\sqrt{s}=0.9\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1107.0330 [hep-ex]].
[10.1007/JHEP09\(2011\)109.](#)
JHEP 1109 (2011) 109.
- 520) [Missing transverse energy performance of the CMS detector.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.5048 [physics.ins-det]].
[10.1088/1748-0221/6/09/P09001.](#)
JINST 6 (2011) P09001.
- 521) [Search for New Physics with a Mono-Jet and Missing Transverse Energy in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.4775 [hep-ex]].
[10.1103/PhysRevLett.107.201804.](#)
Phys.Rev.Lett. 107 (2011) 201804.
- 522) [Search for New Physics with Jets and Missing Transverse Momentum in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.4503 [hep-ex]].
[10.1007/JHEP08\(2011\)155.](#)
JHEP 1108 (2011) 155.
- 523) [Measurement of the Strange \$B\$ Meson Production Cross Section with \$J/\Psi\$ \$\phi\$ Decays in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.4048 [hep-ex]].
[10.1103/PhysRevD.84.052008.](#)
Phys.Rev. D84 (2011) 052008.
- 524) [Branching fractions for \$Y\(3S\) \rightarrow \pi^0 h_b\$ and \$\psi\(2S\) \rightarrow \pi^0 h_c\$.](#)
By CLEO Collaboration (J.Y. Ge et al.).
[arXiv:1106.3558 [hep-ex]].
[10.1103/PhysRevD.84.032008.](#)
Phys.Rev. D84 (2011) 032008.
- 525) [Analysis of the Decay \$D^0 \rightarrow K^0_S \pi^0 \pi^0\$.](#)
By CLEO Collaboration (N. Lowrey et al.).
[arXiv:1106.3103 [hep-ex]].
[10.1103/PhysRevD.84.092005.](#)
Phys.Rev. D84 (2011) 092005.
- 526) [Search for Supersymmetry in Events with \$b\$ Jets and Missing Transverse Momentum at the LHC.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.3272 [hep-ex]].
[10.1007/JHEP07\(2011\)113.](#)
JHEP 1107 (2011) 113.
- 527) [Measurement of the \$t\$ -channel single top quark production cross section in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.3052 [hep-ex]].
[10.1103/PhysRevLett.107.091802](https://doi.org/10.1103/PhysRevLett.107.091802).
Phys.Rev.Lett. 107 (2011) 091802.

528) [Search for Light Resonances Decaying into Pairs of Muons as a Signal of New Physics.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.2375 [hep-ex]].
[10.1007/JHEP07\(2011\)098](https://doi.org/10.1007/JHEP07(2011)098).
JHEP 1107 (2011) 098.

529) [Search for Same-Sign Top-Quark Pair Production at \$\sqrt{s}=7\$ TeV and Limits on Flavour Changing Neutral Currents in the Top Sector.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.2142 [hep-ex]].
[10.1007/JHEP08\(2011\)005](https://doi.org/10.1007/JHEP08(2011)005).
JHEP 1108 (2011) 005.

530) [Measurement of the Top-antitop Production Cross Section in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV using the Kinematic Properties of Events with Leptons and Jets.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.0902 [hep-ex]].
[10.1140/epjc/s10052-011-1721-3](https://doi.org/10.1140/epjc/s10052-011-1721-3).
Eur.Phys.J. C71 (2011) 1721.

531) [Search for physics beyond the standard model using multilepton signatures in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.0933 [hep-ex]].
[10.1016/j.physletb.2011.09.047](https://doi.org/10.1016/j.physletb.2011.09.047).
Phys.Lett. B704 (2011) 411-433.

532) [Measurement of the ratio of the 3-jet to 2-jet cross sections in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.0647 [hep-ex]].
[10.1016/j.physletb.2011.07.067](https://doi.org/10.1016/j.physletb.2011.07.067).
Phys.Lett. B702 (2011) 336-354.

533) [Report of the HEPAP Sub-Committee on the Dissemination of Research Results.](#)
By HEPAP Subcommittee Collaboration (Marina Artuso et al.).

*533a) [Assembly and qualification procedures of CMS forward pixel detector modules.](#)
By Ozhan Koybasi, Kirk Arndt, Gino Bolla, Daniela Bortoletto, Petra Merkel, Ian Shipsey.
[10.1016/j.nima.2011.02.106](https://doi.org/10.1016/j.nima.2011.02.106).
Nucl.Instrum.Meth. A638 (2011) 55-62.

534) [Measurement of the Inclusive Jet Cross Section in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1106.0208 [hep-ex]].
[10.1103/PhysRevLett.107.132001](https://doi.org/10.1103/PhysRevLett.107.132001).
Phys.Rev.Lett. 107 (2011) 132001.

535) [Measurement of the \$t\bar{t}\$ production cross section and the top quark mass in the dilepton channel in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1105.5661 [hep-ex]].
[10.1007/JHEP07\(2011\)049](https://doi.org/10.1007/JHEP07(2011)049).
JHEP 1107 (2011) 049.

536) [Search for First Generation Scalar Leptoquarks in the \$e\nu_{jj}\$ channel in \$pp\$ collisions at \$\sqrt{s}=7\$](#)

[TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1105.5237 [hep-ex]].

[10.1016/j.physletb.2011.07.089.](#)

Phys.Lett. B703 (2011) 246-266.

*536a) [Indications of suppression of excited \$\Upsilon\$ states in PbPb collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1105.4894 [nucl-ex]].

[10.1103/PhysRevLett.107.052302.](#)

Phys.Rev.Lett. 107 (2011) 052302.

537) [Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1105.3152 [hep-ex]].

[10.1007/JHEP06\(2011\)093.](#)

JHEP 1106 (2011) 093.

538) [Search for the decay \$D^+ \rightarrow \omega e^+ \nu_e\$.](#)

By CLEO Collaboration (L. Martin et al.).

[arXiv:1105.2720 [hep-ex]].

[10.1103/PhysRevD.84.012005.](#)

Phys.Rev. D84 (2011) 012005.

539) [Measurement of \$W\gamma\$ and \$Z\gamma\$ production in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1105.2758 [hep-ex]].

[10.1016/j.physletb.2011.06.034.](#)

Phys.Lett. B701 (2011) 535-555.

540) [Long-range and short-range dihadron angular correlations in central PbPb collisions at a nucleon-nucleon center of mass energy of 2.76 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1105.2438 [nucl-ex]].

[10.1007/JHEP07\(2011\)076.](#)

JHEP 1107 (2011) 076.

541) [Measurement of the Polarization of W Bosons with Large Transverse Momenta in W+Jets Events at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1104.3829 [hep-ex]].

[10.1103/PhysRevLett.107.021802.](#)

Phys.Rev.Lett. 107 (2011) 021802.

542) [Charged particle transverse momentum spectra in \$pp\$ collisions at \$\sqrt{s} = 0.9\$ and 7 TeV.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1104.3547 [hep-ex]].

[10.1007/JHEP08\(2011\)086.](#)

JHEP 1108 (2011) 086.

543) [Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC.](#)

By CMS Collaboration (Serguei Chatrchyan et al.).

[arXiv:1104.3168 [hep-ex]].

[10.1007/JHEP06\(2011\)077.](#)

JHEP 1106 (2011) 077.

544) [Observation of the Dalitz Decay \$D_{s1}^+ \rightarrow D_s^+ e^+ e^-\$.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).
[arXiv:1104.3265 [hep-ex]].
[10.1103/PhysRevD.86.072005](https://doi.org/10.1103/PhysRevD.86.072005).
Phys.Rev. D86 (2012) 072005.

545) [Measurement of the \$B^0\$ production cross section in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1104.2892 [hep-ex]].
[10.1103/PhysRevLett.106.252001](https://doi.org/10.1103/PhysRevLett.106.252001).
Phys.Rev.Lett. 106 (2011) 252001.

546) [Measurement of the differential dijet production cross section in proton-proton collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1104.1693 [hep-ex]].
[10.1016/j.physletb.2011.05.027](https://doi.org/10.1016/j.physletb.2011.05.027).
Phys.Lett. B700 (2011) 187-206.

547) [Observation of the \$\chi_c\(1P\)\$ using \$e^+e^-\$ collisions above \$D\bar{D}\$ threshold.](#)
By CLEO Collaboration (T.K. Pedlar et al.).
[arXiv:1104.2025 [hep-ex]].
[10.1103/PhysRevLett.107.041803](https://doi.org/10.1103/PhysRevLett.107.041803).
Phys.Rev.Lett. 107 (2011) 041803.

548) [Measurement of the Inclusive Z Cross Section via Decays to Tau Pairs in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1104.1617 [hep-ex]].
[10.1007/JHEP08\(2011\)117](https://doi.org/10.1007/JHEP08(2011)117).
JHEP 1108 (2011) 117.

549) [Search for Neutral MSSM Higgs Bosons Decaying to Tau Pairs in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1104.1619 [hep-ex]].
[10.1103/PhysRevLett.106.231801](https://doi.org/10.1103/PhysRevLett.106.231801).
Phys.Rev.Lett. 106 (2011) 231801.

550) [Search for Large Extra Dimensions in the Diphoton Final State at the Large Hadron Collider.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.4279 [hep-ex]].
[10.1007/JHEP05\(2011\)085](https://doi.org/10.1007/JHEP05(2011)085).
JHEP 1105 (2011) 085.

551) [Measurement of the lepton charge asymmetry in inclusive \$W\$ production in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.3470 [hep-ex]].
[10.1007/JHEP04\(2011\)050](https://doi.org/10.1007/JHEP04(2011)050).
JHEP 1104 (2011) 050.

552) [Search for Physics Beyond the Standard Model in Opposite-Sign Dilepton Events at \$\sqrt{s}=7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.1348 [hep-ex]].
[10.1007/JHEP06\(2011\)026](https://doi.org/10.1007/JHEP06(2011)026).
JHEP 1106 (2011) 026.

553) [Search for Supersymmetry in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV in Events with Two Photons and Missing Transverse Energy.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.0953 [hep-ex]].

[10.1103/PhysRevLett.106.211802](#).
Phys.Rev.Lett. 106 (2011) 211802.

554) [Search for Resonances in the Dilepton Mass Distribution in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.0981 [hep-ex]].
[10.1007/JHEP05\(2011\)093](#).
JHEP 1105 (2011) 093.

555) [Search for a \$W^{\prime}\$ boson decaying to a muon and a neutrino in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1103.0030 [hep-ex]].
[10.1016/j.physletb.2011.05.048](#).
Phys.Lett. B701 (2011) 160-179.

556) [Measurement of \$W^{+}W^{-}\$ production and search for the Higgs boson in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1102.5429 [hep-ex]].
[10.1016/j.physletb.2011.03.056](#).
Phys.Lett. B699 (2011) 25-47.

557) [Study of Z boson production in PbPb collisions at \$\sqrt{s_{NN}} = 2.76\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1102.5435 [nucl-ex]].
[10.1103/PhysRevLett.106.212301](#).
Phys.Rev.Lett. 106 (2011) 212301.

558) [Search for a Heavy Bottom-like Quark in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1102.4746 [hep-ex]].
[10.1016/j.physletb.2011.05.074](#).
Phys.Lett. B701 (2011) 204-223.

559) [Strange Particle Production in \$pp\$ Collisions at \$\sqrt{s} = 0.9\$ and 7 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1102.4282 [hep-ex]].
[10.1007/JHEP05\(2011\)064](#).
JHEP 1105 (2011) 064.

560) [Measurement of \$B\bar{B}\$ Angular Correlations based on Secondary Vertex Reconstruction at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1102.3194 [hep-ex]].
[10.1007/JHEP03\(2011\)136](#).
JHEP 1103 (2011) 136.

561) [Measurement of Dijet Angular Distributions and Search for Quark Compositeness in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1102.2020 [hep-ex]].
[10.1103/PhysRevLett.106.201804](#).
Phys.Rev.Lett. 106 (2011) 201804.

562) [Observation and studies of jet quenching in PbPb collisions at nucleon-nucleon center-of-mass energy = 2.76 TeV.](#)
By CMS Collaboration (Serguei Chatrchyan et al.).
[arXiv:1102.1957 [nucl-ex]].
[10.1103/PhysRevC.84.024906](#).

Phys.Rev. C84 (2011) 024906.

563) [First Measurement of Hadronic Event Shapes in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1102.0068 [hep-ex]].

[10.1016/j.physletb.2011.03.060.](#)

Phys.Lett. B699 (2011) 48-67.

564) [Dijet Azimuthal Decorrelations in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.5029 [hep-ex]].

[10.1103/PhysRevLett.106.122003.](#)

Phys.Rev.Lett. 106 (2011) 122003.

565) [Inclusive b-hadron production cross section with muons in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.3512 [hep-ex]].

[10.1007/JHEP03\(2011\)090.](#)

JHEP 1103 (2011) 090.

566) [Measurement of Bose-Einstein Correlations in \$pp\$ Collisions at \$\sqrt{s}=0.9\$ and 7 TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.3518 [hep-ex]].

[10.1007/JHEP05\(2011\)029.](#)

JHEP 1105 (2011) 029.

567) [Search for Supersymmetry in \$pp\$ Collisions at 7 TeV in Events with Jets and Missing Transverse Energy.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.1628 [hep-ex]].

[10.1016/j.physletb.2011.03.021.](#)

Phys.Lett. B698 (2011) 196-218.

568) [Search for Heavy Stable Charged Particles in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.1645 [hep-ex]].

[10.1007/JHEP03\(2011\)024.](#)

JHEP 1103 (2011) 024.

569) [Measurement of the \$B^+ \rightarrow \gamma f_2\(1525\)\$ Production Cross Section in \$pp\$ Collisions at \$\sqrt{s} = 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1101.0131 [hep-ex]].

[10.1103/PhysRevLett.106.112001.](#)

Phys.Rev.Lett. 106 (2011) 112001.

570) [\$\Upsilon\(1S\) \rightarrow \gamma f_2\(1525\)\$, \$f_2\(1525\) \rightarrow K^0 \bar{K}^0\$ decays.](#)

By CLEO Collaboration (D. Besson et al.).

[arXiv:1101.0153 [hep-ex]].

[10.1103/PhysRevD.83.037101.](#)

Phys.Rev. D83 (2011) 037101.

571) [Silicon detectors for the sLHC.](#)

By A. Affolder et al..

[10.1016/j.nima.2011.04.045.](#)

Nucl.Instrum.Meth. A658 (2011) 11-16.

572) [Search for a heavy gauge boson \$W'\$ in the final state with an electron and large missing transverse energy in \$pp\$ collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.5945 [hep-ex]].

[10.1016/j.physletb.2011.02.048.](#)

Phys.Lett. B698 (2011) 21-39.

*572a) [Upsilon Production Cross-Section in pp Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.5545 [hep-ex]].

[10.1103/PhysRevD.83.112004.](#)

Phys.Rev. D83 (2011) 112004.

573) [Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.4031 [hep-ex]].

[10.1103/PhysRevLett.106.201802.](#)

Phys.Rev.Lett. 106 (2011) 201802.

574) [Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.4033 [hep-ex]].

[10.1103/PhysRevLett.106.201803.](#)

Phys.Rev.Lett. 106 (2011) 201803.

575) [Search for Microscopic Black Hole Signatures at the Large Hadron Collider.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.3375 [hep-ex]].

[10.1016/j.physletb.2011.02.032.](#)

Phys.Lett. B697 (2011) 434-453.

576) [Measurements of Inclusive \$W\$ and \$Z\$ Cross Sections in pp Collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.2466 [hep-ex]].

[10.1007/JHEP01\(2011\)080.](#)

JHEP 1101 (2011) 080.

577) [Measurements of branching fractions for electromagnetic transitions involving the \$\chi_{bJ}\(1P\)\$ states.](#)

By CLEO Collaboration (M. Kornicer et al.).

[arXiv:1012.0589 [hep-ex]].

[10.1103/PhysRevD.83.054003.](#)

Phys.Rev. D83 (2011) 054003.

578) [Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at \$\sqrt{s} = 7 \sim 7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1012.0799 [hep-ex]].

[10.1103/PhysRevLett.106.082001.](#)

Phys.Rev.Lett. 106 (2011) 082001.

579) [Charged particle multiplicities in pp interactions at \$\sqrt{s}=0.9, 2.36,\$ and \$7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1011.5531 [hep-ex]].

[10.1007/JHEP01\(2011\)079.](#)

JHEP 1101 (2011) 079.

580) [Search for Stopped Gluinos in pp collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).

[arXiv:1011.5861 [hep-ex]].

[10.1103/PhysRevLett.106.011801.](#)

Phys.Rev.Lett. 106 (2011) 011801.

581) [Prompt and non-prompt \$J/\psi\$ production in pp collisions at \$\sqrt{s}=7\$ TeV.](#)

By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1011.4193 [hep-ex]].
[10.1140/epjc/s10052-011-1575-8](https://arxiv.org/abs/10.1140/epjc/s10052-011-1575-8).
Eur.Phys.J. C71 (2011) 1575.

582) [Studies of \$D^+ \rightarrow \{\eta', \eta, \phi\} e^+ \nu_e\$](#) .
By CLEO Collaboration (J. Yelton et al.).
[arXiv:1011.1195 [hep-ex]].
[10.1103/PhysRevD.84.032001](https://arxiv.org/abs/10.1103/PhysRevD.84.032001).
Phys.Rev. D84 (2011) 032001.

583) [First Measurement of the Cross Section for Top-Quark Pair Production in Proton-Proton Collisions at \$\sqrt{s}=7\$ TeV](#).
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1010.5994 [hep-ex]].
[10.1016/j.physletb.2010.11.058](https://arxiv.org/abs/10.1016/j.physletb.2010.11.058).
Phys.Lett. B695 (2011) 424-443.

584) [Search for Quark Compositeness with the Dijet Centrality Ratio in \$pp\$ Collisions at \$\sqrt{s}=7\$ TeV](#).
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1010.4439 [hep-ex]].
[10.1103/PhysRevLett.105.262001](https://arxiv.org/abs/10.1103/PhysRevLett.105.262001).
Phys.Rev.Lett. 105 (2010) 262001.

585) [Model-independent determination of the strong-phase difference between \$D^0\$ and \$\bar{D}^0 \rightarrow K^0 \{S, L\} h^+ h^-\$ \(\$h=\pi, K\$ \) and its impact on the measurement of the CKM angle \$\gamma_{\pi^0}\$](#) .
By CLEO Collaboration (J. Libby et al.).
[arXiv:1010.2817 [hep-ex]].
[10.1103/PhysRevD.82.112006](https://arxiv.org/abs/10.1103/PhysRevD.82.112006).
Phys.Rev. D82 (2010) 112006.

586) [Search for Dijet Resonances in 7 TeV \$pp\$ Collisions at CMS](#).
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1010.0203 [hep-ex]].
[10.1103/PhysRevLett.105.211801](https://arxiv.org/abs/10.1103/PhysRevLett.105.211801), [10.1103/PhysRevLett.106.029902](https://arxiv.org/abs/10.1103/PhysRevLett.106.029902).
Phys.Rev.Lett. 105 (2010) 211801.

*586a) “*The LSST camera corner raft conceptual design: a front-end for guiding and wavefront sensing*”,
(LSST Corner Raft subgroup) SPIE Astronomical Telescopes & Instrumentation, San Diego, Proc. SPIE 7736,
773662 (June 2010), DOI: 10.1117/12.857829

587) [Observation of Long-Range Near-Side Angular Correlations in Proton-Proton Collisions at the LHC](#).
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1009.4122 [hep-ex]].
[10.1007/JHEP09\(2010\)091](https://arxiv.org/abs/10.1007/JHEP09(2010)091).
JHEP 1009 (2010) 091.

588) [Search for rare and forbidden decays of charm and charmed-strange mesons to final states \$h^+ e^- e^+ \gamma\$](#) .
By CLEO Collaboration (P. Rubin et al.).
[arXiv:1009.1606 [hep-ex]].
[10.1103/PhysRevD.82.092007](https://arxiv.org/abs/10.1103/PhysRevD.82.092007).
Phys.Rev. D82 (2010) 092007.

589) [Study of \$\psi\(2S\)\$ Decays to \$\gamma p \bar{p}\$, \$\pi^0 p \bar{p}\$ and \$\eta p \bar{p}\$ and Search for \$p \bar{p}\$ Threshold Enhancements](#).
By CLEO Collaboration (J.P. Alexander et al.).
[arXiv:1007.2886 [hep-ex]].
[10.1103/PhysRevD.82.092002](https://arxiv.org/abs/10.1103/PhysRevD.82.092002).
Phys.Rev. D82 (2010) 092002.

- 590) [CMS Tracking Performance Results from early LHC Operation.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1007.1988 [physics.ins-det]].
[10.1140/epjc/s10052-010-1491-3.](#)
Eur.Phys.J. C70 (2010) 1165-1192.
- 591) [First Measurement of the Underlying Event Activity at the LHC with \$\sqrt{s} = 0.9\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1006.2083 [hep-ex]].
[10.1140/epjc/s10052-010-1453-9.](#)
Eur.Phys.J. C70 (2010) 555-572.
- 592) [Measurement of the charge ratio of atmospheric muons with the CMS detector.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1005.5332 [hep-ex]].
[10.1016/j.physletb.2010.07.033.](#)
Phys.Lett. B692 (2010) 83-104.
- 593) [Branching fractions for \$\chi_{cJ} \rightarrow p \bar{p} \pi^0\$, \$p \bar{p} \eta\$, and \$p \bar{p} \omega\$.](#)
By CLEO Collaboration (P.U.E. Onyisi et al.).
[arXiv:1005.5374 [hep-ex]].
[10.1103/PhysRevD.82.011103.](#)
Phys.Rev. D82 (2010) 011103.
- 594) [First Measurement of Bose-Einstein Correlations in proton-proton Collisions at \$\sqrt{s} = 0.9\$ and 2.36 TeV at the LHC.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1005.3294 [hep-ex]].
[10.1103/PhysRevLett.105.032001.](#)
Phys.Rev.Lett. 105 (2010) 032001.
- 595) [Transverse-momentum and pseudorapidity distributions of charged hadrons in \$pp\$ collisions at \$\sqrt{s} = 7\$ TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1005.3299 [hep-ex]].
[10.1103/PhysRevLett.105.022002.](#)
Phys.Rev.Lett. 105 (2010) 022002.
- 596) [Analysis of \$D^+ \rightarrow K^- \pi^+ e^+ \nu_e\$ and \$D^+ \rightarrow K^- \pi^+ \mu^+ \nu_\mu\$ Semileptonic Decays.](#)
By CLEO Collaboration (R.A. Briere et al.).
[arXiv:1004.1954 [hep-ex]].
[10.1103/PhysRevD.81.112001.](#)
Phys.Rev. D81 (2010) 112001.
- 597) [Search for the Decay \$J/\psi \rightarrow \gamma + \text{invisible}\$.](#)
By CLEO Collaboration (J. Insler et al.).
[arXiv:1003.0417 [hep-ex]].
[10.1103/PhysRevD.81.091101.](#)
Phys.Rev. D81 (2010) 091101.
- 598) [Transverse momentum and pseudorapidity distributions of charged hadrons in \$pp\$ collisions at \$\sqrt{s} = 0.9\$ and 2.36 TeV.](#)
By CMS Collaboration (Vardan Khachatryan et al.).
[arXiv:1002.0621 [hep-ex]].
[10.1007/JHEP02\(2010\)041.](#)
JHEP 1002 (2010) 041.
- 599) [Measurement of absolute branching fractions of inclusive semileptonic decays of charm and charmed-strange mesons.](#)

By CLEO Collaboration (D.M. Asner et al.).
[arXiv:0912.4232 [hep-ex]].
[10.1103/PhysRevD.81.052007](https://doi.org/10.1103/PhysRevD.81.052007).
Phys.Rev. D81 (2010) 052007.

600) [Commissioning and Performance of the CMS Pixel Tracker with Cosmic Ray Muons.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.5434 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03007](https://doi.org/10.1088/1748-0221/5/03/T03007).
JINST 5 (2010) T03007.

601) [Performance of the CMS Level-1 Trigger during Commissioning with Cosmic Ray Muons.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.5422 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03002](https://doi.org/10.1088/1748-0221/5/03/T03002).
JINST 5 (2010) T03002.

602) [Measurement of the Muon Stopping Power in Lead Tungstate.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.5397 [physics.ins-det]].
[10.1088/1748-0221/5/03/P03007](https://doi.org/10.1088/1748-0221/5/03/P03007).
JINST 5 (2010) P03007.

603) [Commissioning and Performance of the CMS Silicon Strip Tracker with Cosmic Ray Muons.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4996 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03008](https://doi.org/10.1088/1748-0221/5/03/T03008).
JINST 5 (2010) T03008.

604) [Performance of CMS Muon Reconstruction in Cosmic-Ray Events.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4994 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03022](https://doi.org/10.1088/1748-0221/5/03/T03022).
JINST 5 (2010) T03022.

605) [Performance of the CMS Cathode Strip Chambers with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4992 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03018](https://doi.org/10.1088/1748-0221/5/03/T03018).
JINST 5 (2010) T03018.

606) [Performance of the CMS Hadron Calorimeter with Cosmic Ray Muons and LHC Beam Data.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4991 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03012](https://doi.org/10.1088/1748-0221/5/03/T03012).
JINST 5 (2010) T03012.

607) [Fine Synchronization of the CMS Muon Drift-Tube Local Trigger using Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4904 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03004](https://doi.org/10.1088/1748-0221/5/03/T03004).
JINST 5 (2010) T03004.

608) [Calibration of the CMS Drift Tube Chambers and Measurement of the Drift Velocity with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4895 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03016](https://doi.org/10.1088/1748-0221/5/03/T03016).
JINST 5 (2010) T03016.

609) [Performance of the CMS Drift-Tube Local Trigger with Cosmic Rays.](#)

By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4893 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03003](https://doi.org/10.1088/1748-0221/5/03/T03003).
JINST 5 (2010) T03003.

610) [Commissioning of the CMS High-Level Trigger with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4889 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03005](https://doi.org/10.1088/1748-0221/5/03/T03005).
JINST 5 (2010) T03005.

611) [Identification and Filtering of Uncharacteristic Noise in the CMS Hadron Calorimeter.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4881 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03014](https://doi.org/10.1088/1748-0221/5/03/T03014).
JINST 5 (2010) T03014.

612) [Performance of CMS Hadron Calorimeter Timing and Synchronization using Test Beam, Cosmic Ray, and LHC Beam Data.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4877 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03013](https://doi.org/10.1088/1748-0221/5/03/T03013).
JINST 5 (2010) T03013.

613) [Performance of the CMS Drift Tube Chambers with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4855 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03015](https://doi.org/10.1088/1748-0221/5/03/T03015).
JINST 5 (2010) T03015.

614) [Commissioning of the CMS Experiment and the Cosmic Run at Four Tesla.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4845 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03001](https://doi.org/10.1088/1748-0221/5/03/T03001).
JINST 5 (2010) T03001.

615) [CMS Data Processing Workflows during an Extended Cosmic Ray Run.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4842 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03006](https://doi.org/10.1088/1748-0221/5/03/T03006).
JINST 5 (2010) T03006.

616) [Aligning the CMS Muon Chambers with the Muon Alignment System during an Extended Cosmic Ray Run.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4770 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03019](https://doi.org/10.1088/1748-0221/5/03/T03019).
JINST 5 (2010) T03019.

617) [Performance Study of the CMS Barrel Resistive Plate Chambers with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4045 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03017](https://doi.org/10.1088/1748-0221/5/03/T03017).
JINST 5 (2010) T03017.

618) [Time Reconstruction and Performance of the CMS Electromagnetic Calorimeter.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4044 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03011](https://doi.org/10.1088/1748-0221/5/03/T03011).
JINST 5 (2010) T03011.

- 619) [Alignment of the CMS Muon System with Cosmic-Ray and Beam-Halo Muons.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0911.4022 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03020](https://doi.org/10.1088/1748-0221/5/03/T03020).
JINST 5 (2010) T03020.
- 620) [Precise Mapping of the Magnetic Field in the CMS Barrel Yoke using Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0910.5530 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03021](https://doi.org/10.1088/1748-0221/5/03/T03021).
JINST 5 (2010) T03021.
- 621) [Measurement of the Pseudoscalar Decay Constant \$f\(D\(s\)\)\$ Using \$D\(s\)^+ \rightarrow \tau^+ \nu\$, \$\tau^+ \rightarrow \rho^+ \text{anti-}\nu\$ Decays.](#)
By CLEO Collaboration (P. Naik et al.).
[arXiv:0910.3602 [hep-ex]].
[10.1103/PhysRevD.80.112004](https://doi.org/10.1103/PhysRevD.80.112004).
Phys.Rev. D80 (2009) 112004.
- 622) [Performance and Operation of the CMS Electromagnetic Calorimeter.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0910.3423 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03010](https://doi.org/10.1088/1748-0221/5/03/T03010).
JINST 5 (2010) T03010.
- 623) [Alignment of the CMS Silicon Tracker during Commissioning with Cosmic Rays.](#)
By CMS Collaboration (S Chatrchyan et al.).
[arXiv:0910.2505 [physics.ins-det]].
[10.1088/1748-0221/5/03/T03009](https://doi.org/10.1088/1748-0221/5/03/T03009).
JINST 5 (2010) T03009.
- 624) [Search for \$\psi\(2S\) \rightarrow \gamma \eta\(c\) \(2S\)\$ via fully reconstructed \$\eta\(c\)\(2S\)\$ decays.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[arXiv:0910.1324 [hep-ex]].
[10.1103/PhysRevD.81.052002](https://doi.org/10.1103/PhysRevD.81.052002).
Phys.Rev. D81 (2010) 052002.
- 625) [Higher-order multipole amplitudes in charmonium radiative transitions.](#)
By CLEO Collaboration (M. Artuso et al.).
[arXiv:0910.0046 [hep-ex]].
[10.1103/PhysRevD.80.112003](https://doi.org/10.1103/PhysRevD.80.112003).
Phys.Rev. D80 (2009) 112003.
- 626) [Measurement of the \$\eta\(b\)\(1S\)\$ mass and the branching fraction for \$Upsilon\(3S\) \rightarrow \gamma \eta\(b\)\(1S\)\$.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[arXiv:0909.5474 [hep-ex]].
[10.1103/PhysRevD.81.031104](https://doi.org/10.1103/PhysRevD.81.031104).
Phys.Rev. D81 (2010) 031104.
- 627) [Inclusive Radiative \$\psi\(2S\)\$ Decays.](#)
By CLEO Collaboration (J. Libby et al.).
[arXiv:0909.0193 [hep-ex]].
[10.1103/PhysRevD.80.072002](https://doi.org/10.1103/PhysRevD.80.072002).
Phys.Rev. D80 (2009) 072002.
- 627a) “*Particle Physics and Astrophysics*”, I. Shipsey et al., arXiv:0904.0595 (2009)
- 628) [Flavor Physics in the Quark Sector.](#)
By Mario Antonelli et al..

[arXiv:0907.5386 [hep-ph]].
[10.1016/j.physrep.2010.05.003](https://arxiv.org/abs/10.1016/j.physrep.2010.05.003).
Phys.Rept. 494 (2010) 197-414.

629) [Study of the semileptonic decay \$D\(s\)^+ \rightarrow f_0\(980\) e^+ \nu\$ and implications for \$B\(s\) \rightarrow J/\psi f\(0\)\$.](#)
By CLEO Collaboration (K.M. Ecklund et al.).
[arXiv:0907.3201 [hep-ex]].
[10.1103/PhysRevD.80.052009](https://arxiv.org/abs/10.1103/PhysRevD.80.052009).
Phys.Rev. D80 (2009) 052009.

630) [Evidence for Decays of \$h\(c\)\$ to Multi-Pion Final States.](#)
By CLEO Collaboration (G.S. Adams et al.).
[arXiv:0906.4470 [hep-ex]].
[10.1103/PhysRevD.80.051106](https://arxiv.org/abs/10.1103/PhysRevD.80.051106).
Phys.Rev. D80 (2009) 051106.

631) [Measurements of D Meson Decays to Two Pseudoscalar Mesons.](#)
By CLEO Collaboration (H. Mendez et al.).
[arXiv:0906.3198 [hep-ex]].
[10.1103/PhysRevD.81.052013](https://arxiv.org/abs/10.1103/PhysRevD.81.052013).
Phys.Rev. D81 (2010) 052013.

*631a) *“Improved Measurements of Semileptonic Decays of D Mesons to Pi and K Mesons”*, (CLEO Collab.)
Phys. Rev. D80:032005 (2009).

632) [D+\(s\) Exclusive Hadronic Decays Involving omega.](#)
By CLEO Collaboration (J.Y. Ge et al.).
[arXiv:0906.2138 [hep-ex]].
[10.1103/PhysRevD.80.051102](https://arxiv.org/abs/10.1103/PhysRevD.80.051102).
Phys.Rev. D80 (2009) 051102.

633) [Inclusive Hadron Yields from D\(s\)+ Decays.](#)
By CLEO Collaboration (S. Dobbs et al.).
[arXiv:0904.2417 [hep-ex]].
[10.1103/PhysRevD.79.112008](https://arxiv.org/abs/10.1103/PhysRevD.79.112008).
Phys.Rev. D79 (2009) 112008.

634) [Search for \$D_0 \rightarrow \bar{p} e^+\$ and \$D_0 \rightarrow p e^-\$.](#)
By CLEO Collaboration (P. Rubin et al.).
[arXiv:0904.1619 [hep-ex]].
[10.1103/PhysRevD.79.097101](https://arxiv.org/abs/10.1103/PhysRevD.79.097101).
Phys.Rev. D79 (2009) 097101.

635) [Charmonium decays to \$\gamma \pi^0\$, \$\gamma \eta\$, and \$\gamma \eta'\$.](#)
By CLEO Collaboration (T.K. Pedlar et al.).
[arXiv:0904.1394 [hep-ex]].
[10.1103/PhysRevD.79.111101](https://arxiv.org/abs/10.1103/PhysRevD.79.111101).
Phys.Rev. D79 (2009) 111101.

636) [Particle Physics and Astrophysics - A Whitepaper in Response to a Call to the Astronomy and Astrophysics Community from the Committee on Astro2010 for State of the Profession Position Papers.](#)
By I. Shipsey et al.
[arXiv:0904.0595 [astro-ph.CO]].

637) [Determination of the \$D_0 \rightarrow K^- \pi^+ \pi^0\$ and \$D_0 \rightarrow K^- \pi^+ \pi^+ \pi^-\$ Coherence Factors and Average Strong-Phase Differences Using Quantum-Correlated Measurements.](#)
By CLEO Collaboration (N. Lowrey et al.).
[arXiv:0903.4853 [hep-ex]].
[10.1103/PhysRevD.80.031105](https://arxiv.org/abs/10.1103/PhysRevD.80.031105).
Phys.Rev. D80 (2009) 031105.

638) [First model-independent determination of the relative strong phase between \$D_0\$ and anti- \$D_0 \rightarrow K_0\(S\) \pi^+ \pi^-\$ and its impact on the CKM Angle \$\gamma/\phi\(3\)\$ measurement.](#)

By CLEO Collaboration (Roy A. Briere et al.).

[arXiv:0903.1681 [hep-ex]].

[10.1103/PhysRevD.80.032002.](#)

Phys.Rev. D80 (2009) 032002.

639) [Dalitz Plot Analysis of \$D^+\(s\) \rightarrow K^+ K^- \pi^+\$.](#)

By CLEO Collaboration (R.E. Mitchell et al.).

[arXiv:0903.1301 [hep-ex]].

[10.1103/PhysRevD.79.072008.](#)

Phys.Rev. D79 (2009) 072008.

640) [Absolute Branching Fraction Measurements for Exclusive \$D\(s\)\$ Semileptonic Decays.](#)

By CLEO Collaboration (J. Yelton et al.).

[arXiv:0903.0601 [hep-ex]].

[10.1103/PhysRevD.80.052007.](#)

Phys.Rev. D80 (2009) 052007.

641) [Measurement of \$B\{D_s^+ \rightarrow \ell^+ \nu_\ell\}\$ and the Decay Constant \$f_{D_s^+}\$ From 600 \$\text{fb}^{-1}\$ of \$e^+e^-\$ Annihilation Data Near 4170 MeV.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[arXiv:0901.1216 [hep-ex]].

[10.1103/PhysRevD.79.052001.](#)

Phys.Rev. D79 (2009) 052001.

642) [Improved Measurement of Absolute Branching Fraction of \$D\(s\)^+ \rightarrow \tau^+ \nu\(\tau\)\$.](#)

By CLEO Collaboration (P.U.E. Onyisi et al.).

[arXiv:0901.1147 [hep-ex]].

[10.1103/PhysRevD.79.052002.](#)

Phys.Rev. D79 (2009) 052002.

643) [New Measurement of Exclusive Decays of the \$\chi\(c_0\)\$ and \$\chi\(c_2\)\$ to Two-Meson Final States.](#)

By CLEO Collaboration (D.M. Asner et al.).

[arXiv:0811.0586 [hep-ex]].

[10.1103/PhysRevD.79.072007.](#)

Phys.Rev. D79 (2009) 072007.

644) [Study of \$D_0 \rightarrow \pi^- e^+ \nu\(e\)\$, \$D^+ \rightarrow \pi^0 e^+ \nu\(e\)\$, \$D_0 \rightarrow K^- e^+ \nu\(e\)\$, and \$D^+ \rightarrow \text{anti-}K^0 e^+ \nu\(e\)\$ in Tagged Decays of the \$\psi\(3770\)\$ Resonance.](#)

By CLEO Collaboration (J.Y. Ge et al.).

[arXiv:0810.3878 [hep-ex]].

[10.1103/PhysRevD.79.052010.](#)

Phys.Rev. D79 (2009) 052010.

645) [Observation of \$\eta'\$ decays to \$\pi^+ \pi^- \pi^0\$ and \$\pi^+ \pi^- e^+ e^-\$.](#)

By CLEO Collaboration (P. Naik et al.).

[arXiv:0809.2587 [hep-ex]].

[10.1103/PhysRevLett.102.061801.](#)

Phys.Rev.Lett. 102 (2009) 061801.

646) [A win-win situation.](#)

By Ian Shipsey.

[10.1038/nphys981.](#)

Nature Phys. 4 (2008) 438-440.

647) [Improved Measurement of Branching Fractions for \$\pi^+ \pi^-\$ Transitions among Upsilon\(nS\) States.](#)

By CLEO Collaboration (S.R. Bhari et al.).

[arXiv:0809.1110 [hep-ex]].

[10.1103/PhysRevD.79.011103](#).
Phys.Rev. D79 (2009) 011103.

648) [Observation of \$\chi\(b\)\(1P\(J\),2P\(J\)\)\$ decays to light hadrons.](#)
By CLEO Collaboration (D.M. Asner et al.).
[arXiv:0808.0933 [hep-ex]].
[10.1103/PhysRevD.78.091103](#).
Phys.Rev. D78 (2008) 091103.

649) [The CMS experiment at the CERN LHC.](#)
By CMS Collaboration (S. Chatrchyan et al.).
[10.1088/1748-0221/3/08/S08004](#).
JINST 3 (2008) S08004.

650) [Search for CP Violation in the Dalitz-Plot Analysis of \$D^+ \rightarrow K^+ K^- \pi^+ \pi^-\$.](#)
By CLEO Collaboration (P. Rubin et al.).
[arXiv:0807.4545 [hep-ex]].
[10.1103/PhysRevD.78.072003](#).
Phys.Rev. D78 (2008) 072003.

650a) Z. Ivezic et. al., "LSST: from Science Drivers to Reference Design and Anticipated Data Products,"
arXiv: 0805.2366 , 2008.

651) [Inclusive \$\chi\(bJ\)\(nP\)\$ Decays to \$D0 X\$.](#)
By CLEO Collaboration (Roy A. Briere et al.).
[arXiv:0807.3757 [hep-ex]].
[10.1103/PhysRevD.78.092007](#).
Phys.Rev. D78 (2008) 092007.

652) [Observation of \$\chi\(cJ\)\$ radiative decays to light vector mesons.](#)
By CLEO Collaboration (J.V. Bennett et al.).
[arXiv:0807.3718 [hep-ex]].
[10.1103/PhysRevLett.101.151801](#).
Phys.Rev.Lett. 101 (2008) 151801.

653) [Search for Lepton Flavor Violation in Upsilon Decays.](#)
By CLEO Collaboration (W. Love et al.).
[arXiv:0807.2695 [hep-ex]].
[10.1103/PhysRevLett.101.201601](#).
Phys.Rev.Lett. 101 (2008) 201601.

654) [Search for Very Light CP-Odd Higgs Boson in Radiative Decays of Upsilon\(S-1\).](#)
By CLEO Collaboration (W. Love et al.).
[arXiv:0807.1427 [hep-ex]].
[10.1103/PhysRevLett.101.151802](#).
Phys.Rev.Lett. 101 (2008) 151802.

655) [Observation of Upsilon\(2S\) \$\rightarrow\$ eta Upsilon\(1S\) and search for related transitions.](#)
By CLEO Collaboration (Q. He et al.).
[arXiv:0806.3027 [hep-ex]].
[10.1103/PhysRevLett.101.192001](#).
Phys.Rev.Lett. 101 (2008) 192001.

656) [Measurement of the eta-prime-meson mass using \$J/\psi \rightarrow \gamma \eta'\$.](#)
By CLEO Collaboration (J. Libby et al.).
[arXiv:0806.2344 [hep-ex]].
[10.1103/PhysRevLett.101.182002](#).
Phys.Rev.Lett. 101 (2008) 182002.

657) [Precision Measurement of \$B\(D^+ \rightarrow \mu^+ \nu\)\$ and the Pseudoscalar Decay Constant \$f\(D^+\)\$.](#)

By CLEO Collaboration (B.I. Eisenstein et al.).
[arXiv:0806.2112 [hep-ex]].
[10.1103/PhysRevD.78.052003](https://arxiv.org/abs/10.1103/PhysRevD.78.052003).
Phys.Rev. D78 (2008) 052003.

658) [Measurement of exclusive baryon-antibaryon decays of \$\chi_{cJ}\$ mesons.](#)
By CLEO Collaboration (P. Naik et al.).
[arXiv:0806.1715 [hep-ex]].
[10.1103/PhysRevD.78.031101](https://arxiv.org/abs/10.1103/PhysRevD.78.031101).
Phys.Rev. D78 (2008) 031101.

659) [First Observation of Exclusive \$\chi_{cJ}\$ Decays to Two Charged and Two Neutral Hadrons.](#)
By CLEO Collaboration (Q. He et al.).
[arXiv:0806.1227 [hep-ex]].
[10.1103/PhysRevD.78.092004](https://arxiv.org/abs/10.1103/PhysRevD.78.092004).
Phys.Rev. D78 (2008) 092004.

660) [Observation of \$J/\psi \rightarrow 3 \gamma\$.](#)
By CLEO Collaboration (G.S. Adams et al.).
[arXiv:0806.0671 [hep-ex]].
[10.1103/PhysRevLett.101.101801](https://arxiv.org/abs/10.1103/PhysRevLett.101.101801).
Phys.Rev.Lett. 101 (2008) 101801.

661) [Inclusive Radiative \$J/\psi\$ Decays.](#)
By CLEO Collaboration (D. Besson et al.).
[arXiv:0806.0315 [hep-ex]].
[10.1103/PhysRevD.78.032012](https://arxiv.org/abs/10.1103/PhysRevD.78.032012).
Phys.Rev. D78 (2008) 032012.

662) [Precision Measurement of the Mass of the \$h\(c\)\(P-1\(1\)\)\$ State of Charmonium.](#)
By CLEO Collaboration (S. Dobbs et al.).
[arXiv:0805.4599 [hep-ex]].
[10.1103/PhysRevLett.101.182003](https://arxiv.org/abs/10.1103/PhysRevLett.101.182003).
Phys.Rev.Lett. 101 (2008) 182003.

663) [\$J/\psi\$ and \$\psi\(2S\)\$ Radiative Decays to \$\eta\(c\)\$.](#)
By CLEO Collaboration (R.E. Mitchell et al.).
[arXiv:0805.0252 [hep-ex]].
[10.1103/PhysRevLett.106.159903](https://arxiv.org/abs/10.1103/PhysRevLett.106.159903), [10.1103/PhysRevLett.102.011801](https://arxiv.org/abs/10.1103/PhysRevLett.102.011801).
Phys.Rev.Lett. 102 (2009) 011801, Erratum: Phys.Rev.Lett. 106 (2011) 159903.

664) [Branching Fractions for Transitions of \$\psi\(2S\)\$ to \$J/\psi\$.](#)
By CLEO Collaboration (H. Mendez et al.).
[arXiv:0804.4432 [hep-ex]].
[10.1103/PhysRevD.78.011102](https://arxiv.org/abs/10.1103/PhysRevD.78.011102).
Phys.Rev. D78 (2008) 011102.

665) [Two-Photon Widths of the \$\chi_{cJ}\$ States of Charmonium.](#)
By CLEO Collaboration (K.M. Ecklund et al.).
[arXiv:0803.2869 [hep-ex]].
[10.1103/PhysRevD.78.091501](https://arxiv.org/abs/10.1103/PhysRevD.78.091501).
Phys.Rev. D78 (2008) 091501.

666) [First Observation of the Decay \$D\(s\)^+ \rightarrow p \text{ anti-}n\$.](#)
By CLEO Collaboration (S.B. Athar et al.).
[arXiv:0803.1118 [hep-ex]].
[10.1103/PhysRevLett.100.181802](https://arxiv.org/abs/10.1103/PhysRevLett.100.181802).
Phys.Rev.Lett. 100 (2008) 181802.

667) [Absolute Branching Fractions of Cabibbo-Suppressed \$D \rightarrow K \text{ anti-}K\$ Decays.](#)

By CLEO Collaboration (G. Bonvicini et al.).
[arXiv:0803.0793 [hep-ex]].
[10.1103/PhysRevD.77.091106](https://arxiv.org/abs/10.1103/PhysRevD.77.091106).
Phys.Rev. D77 (2008) 091106.

668) [Observation of \$D^+ \rightarrow \eta e^+ \nu\(e\)\$.](#)
By CLEO Collaboration (R.E. Mitchell et al.).
[arXiv:0802.4222 [hep-ex]].
[10.1103/PhysRevLett.102.081801](https://arxiv.org/abs/10.1103/PhysRevLett.102.081801).
Phys.Rev.Lett. 102 (2009) 081801.

669) [Dalitz plot analysis of the \$D^+ \rightarrow K^- \pi^+ \pi^+\$ decay.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[arXiv:0802.4214 [hep-ex]].
[10.1103/PhysRevD.78.052001](https://arxiv.org/abs/10.1103/PhysRevD.78.052001).
Phys.Rev. D78 (2008) 052001.

670) [Measurement of exclusive D meson decays to eta and eta-prime final states and SU\(3\) amplitude analysis.](#)
By CLEO Collaboration (M. Artuso et al.).
[arXiv:0802.2664 [hep-ex]].
[10.1103/PhysRevD.77.092003](https://arxiv.org/abs/10.1103/PhysRevD.77.092003).
Phys.Rev. D77 (2008) 092003.

671) [Determination of the \$D^0 \rightarrow K^+ \pi^-\$ Relative Strong Phase Using Quantum-Correlated Measurements in \$e^+ e^- \rightarrow D^0 \bar{D}^0\$ at CLEO.](#)
By CLEO Collaboration (David Mark Asner et al.).
[arXiv:0802.2268 [hep-ex]].
[10.1103/PhysRevD.78.012001](https://arxiv.org/abs/10.1103/PhysRevD.78.012001).
Phys.Rev. D78 (2008) 012001.

672) [Determination of the Strong Phase in \$D^0 \rightarrow K^+ \pi^-\$ Using Quantum-Correlated Measurements.](#)
By CLEO Collaboration (J.L. Rosner et al.).
[arXiv:0802.2264 [hep-ex]].
[10.1103/PhysRevLett.100.221801](https://arxiv.org/abs/10.1103/PhysRevLett.100.221801).
Phys.Rev.Lett. 100 (2008) 221801.

673) [Measurement of Charm Production Cross Sections in \$e^+e^-\$ Annihilation at Energies between 3.97 and 4.26-GeV.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[arXiv:0801.3418 [hep-ex]].
[10.1103/PhysRevD.80.072001](https://arxiv.org/abs/10.1103/PhysRevD.80.072001).
Phys.Rev. D80 (2009) 072001.

674) [Absolute Measurement of Hadronic Branching Fractions of the \$D\(s\)^+\$ Meson.](#)
By CLEO Collaboration (J.P. Alexander et al.).
[arXiv:0801.0680 [hep-ex]].
[10.1103/PhysRevLett.100.161804](https://arxiv.org/abs/10.1103/PhysRevLett.100.161804).
Phys.Rev.Lett. 100 (2008) 161804.

675) [ILC Reference Design Report Volume 4 - Detectors.](#)
By ILC Collaboration (Ties Behnke et al.).
[arXiv:0712.2356 [physics.ins-det]].

676) [Measurement of the absolute branching fraction of \$D\(s\)^+ \rightarrow \tau^+ \nu\(\tau\)\$ decay.](#)
By CLEO Collaboration (K.M. Ecklund et al.).
[arXiv:0712.1175 [hep-ex]].
[10.1103/PhysRevLett.100.161801](https://arxiv.org/abs/10.1103/PhysRevLett.100.161801).
Phys.Rev.Lett. 100 (2008) 161801.

677) [A Study of the semileptonic charm decays \$D^0 \rightarrow \pi^- e^+ \nu\(e\)\$, \$D^+ \rightarrow \pi^0 e^+ \nu\(e\)\$, \$D^0 \rightarrow K^- e^+ \nu\(e\)\$,](#)

[and \$D^+ \rightarrow \text{anti-K}^0 e^+ \nu\(e\)\$.](#)

By CLEO Collaboration (S. Dobbs et al.).

[arXiv:0712.1020 [hep-ex]].

[10.1103/PhysRevD.77.112005.](#)

Phys.Rev. D77 (2008) 112005.

678) [A Study of the decays \$D^0 \rightarrow \pi^- e^+ \nu\(e\)\$, \$D^0 \rightarrow K^- e^+ \nu\(e\)\$, \$D^+ \rightarrow \pi^0 e^+ \nu\(e\)\$, and \$D^+ \rightarrow \text{anti-K}^0 e^+ \nu\(e\)\$.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).

[arXiv:0712.0998 [hep-ex]].

[10.1103/PhysRevLett.100.251802.](#)

Phys.Rev.Lett. 100 (2008) 251802.

679) [Comparison of \$D \rightarrow K^0\(S\) \pi\$ and \$D \rightarrow K^0\(L\) \pi\$ Decay Rates.](#)

By CLEO Collaboration (Q. He et al.).

[arXiv:0711.1463 [hep-ex]].

[10.1103/PhysRevLett.100.091801.](#)

Phys.Rev.Lett. 100 (2008) 091801.

680) [CMS technical design report, volume II: Physics performance.](#)

By CMS Collaboration (G.L. Bayatian et al.).

[10.1088/0954-3899/34/6/S01.](#)

J.Phys. G34 (2007) no.6, 995-1579.

681) [Measurement of absolute hadronic branching fractions of D mesons and \$e^+ e^- \rightarrow D \text{ anti-D}\$ cross-sections at the \$\psi\(3770\)\$.](#)

By CLEO Collaboration (S. Dobbs et al.).

[arXiv:0709.3783 [hep-ex]].

[10.1103/PhysRevD.76.112001.](#)

Phys.Rev. D76 (2007) 112001.

682) [International Linear Collider Reference Design Report Volume 2: Physics at the ILC.](#)

By ILC Collaboration (Gerald Aarons et al.). SLAC-R-975, FERMILAB-DESIGN-2007-04, FERMILAB-PUB-07-795-E

[arXiv:0709.1893 [hep-ph]].

683) [ILC Reference Design Report: ILC Global Design Effort and World Wide Study.](#)

By ILC Collaboration (James Brau et al.). FERMILAB-DESIGN-2007-03, FERMILAB-PUB-07-794-E

[arXiv:0712.1950 [physics.acc-ph]].

684) [Suppressed Decays of \$D\(s\)^+\$ Mesons to Two Pseudoscalar Mesons.](#)

By CLEO Collaboration (G.S. Adams et al.).

[arXiv:0708.0139 [hep-ex]].

[10.1103/PhysRevLett.99.191805.](#)

Phys.Rev.Lett. 99 (2007) 191805.

685) [Dalitz plot analysis of the \$D^+ \rightarrow K^- \pi^+ \pi^+\$ decay.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[arXiv:0707.3060 [hep-ex]].

686) [Measurement of the eta-Meson Mass using \$\psi\(2S\) \rightarrow \eta J/\psi\$.](#)

By CLEO Collaboration (David Harry Miller et al.).

[arXiv:0707.1810 [hep-ex]].

[10.1103/PhysRevLett.99.122002.](#)

Phys.Rev.Lett. 99 (2007) 122002.

687) [Measurement of Prominent eta Decay Branching Fractions.](#)

By CLEO Collaboration (A. Lopez et al.).

[arXiv:0707.1601 [hep-ex]].

[10.1103/PhysRevLett.99.122001.](#)

Phys.Rev.Lett. 99 (2007) 122001.

688) [Status of flavor physics.](#)

By I. Shipsey.

[10.1063/1.2714354.](#)

AIP Conf.Proc. 892 (2007) 107-120.

689) [Measurement of the Total Hadronic Cross Section in e+e- Annihilations below 10.56-GeV.](#)

By CLEO Collaboration (D. Besson et al.).

[arXiv:0706.2813 [hep-ex]].

[10.1103/PhysRevD.76.072008.](#)

Phys.Rev. D76 (2007) 072008.

690) [Study of di-pion transitions among Upsilon\(3S\), Upsilon\(2S\), and Upsilon\(1S\) states.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).

[arXiv:0706.2317 [hep-ex]].

[10.1103/PhysRevD.76.072001.](#)

Phys.Rev. D76 (2007) 072001.

691) [Evidence for the decay \$D^0 \rightarrow K^- \pi^+ \pi^- e^+ \nu\(e\)\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[arXiv:0705.4276 [hep-ex]].

[10.1103/PhysRevLett.99.191801.](#)

Phys.Rev.Lett. 99 (2007) 191801.

692) [Dalitz plot analysis of the \$D^+ \rightarrow \pi^- \pi^+ \pi^+\$ decay.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[arXiv:0704.3954 [hep-ex]].

[10.1103/PhysRevD.76.012001.](#)

Phys.Rev. D76 (2007) 012001.

693) [Search for radiative decays of Upsilon\(1S\) into eta and eta-prime.](#)

By CLEO Collaboration (S.B. Athar et al.).

[arXiv:0704.3063 [hep-ex]].

[10.1103/PhysRevD.76.072003.](#)

Phys.Rev. D76 (2007) 072003.

694) [Measurement of upper limits for Upsilon \$\rightarrow\$ gamma + R decays.](#)

By CLEO Collaboration (J.L. Rosner et al.).

[arXiv:0704.2773 [hep-ex]].

[10.1103/PhysRevD.76.117102.](#)

Phys.Rev. D76 (2007) 117102.

695) [Comparison of particle production in quark and gluon fragmentation at \$s^{*\(1/2\)} \sim 10\$ -GeV.](#)

By CLEO Collaboration (Roy A. Briere et al.).

[arXiv:0704.2766 [hep-ex]].

[10.1103/PhysRevD.76.012005.](#)

Phys.Rev. D76 (2007) 012005.

696) [Measurement of the decay constant \$f\(D^{*+} S\)\$ using \$D^{*+} \rightarrow \ell^+ \nu \ell^+ \nu\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[arXiv:0704.0629 [hep-ex]].

[10.1103/PhysRevLett.99.071802.](#)

Phys.Rev.Lett. 99 (2007) 071802.

697) [Measurement of \$B\(D S^+\) \rightarrow \ell^+ \nu\$ and the decay constant \$f\(D S^+\)\$.](#)

By CLEO Collaboration (T.K. Pedlar et al.).

[arXiv:0704.0437 [hep-ex]].

[10.1103/PhysRevD.76.072002.](#)

Phys.Rev. D76 (2007) 072002.

- 698) [A Study of Exclusive Charmless Semileptonic B Decays and Extraction of \$|V_{ub}|\$ at CLEO.](#)
By CLEO Collaboration (R. Gray et al.).
[hep-ex/0703042 [HEP-EX]].
[10.1103/PhysRevD.76.039901](#), [10.1103/PhysRevD.76.012007](#).
Phys.Rev. D76 (2007) 012007, Addendum: Phys.Rev. D76 (2007) no.3, 039901.
- 699) [A Study of Exclusive Charmless Semileptonic B Decay and \$V\(ub\)\$.](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0703041 [HEP-EX]].
[10.1103/PhysRevLett.99.041802](#).
Phys.Rev.Lett. 99 (2007) 041802.
- 700) [CMS expression of interest in the SLHC.](#)
By CMS Collaboration (J. Nash et al.). CERN-LHCC-2007-014, CERN-LHCC-G-131
- 701) [CMS physics technical design report: Addendum on high density QCD with heavy ions.](#)
By CMS Collaboration (David G. d'Enterria et al.).
[10.1088/0954-3899/34/11/008](#).
J.Phys. G34 (2007) 2307-2455.
- 702) [A Precision Determination of the \$D_0\$ Mass.](#)
By CLEO Collaboration (C. Cawfield et al.).
[hep-ex/0701016].
[10.1103/PhysRevLett.98.092002](#).
Phys.Rev.Lett. 98 (2007) 092002.
- 703) [RD50 status report 2006: Radiation hard semiconductor devices for very high luminosity colliders.](#)
By RD50 Collaboration (Pablo Balbuena et al.).
- 704) [Search for \$\psi\(2S\) \rightarrow \eta\(c\) \pi^+ \pi^- \pi^0\$.](#)
By CLEO Collaboration (T.K. Pedlar et al.).
[hep-ex/0611027].
[10.1103/PhysRevD.75.011102](#).
Phys.Rev. D75 (2007) 011102.
- 705) [Search for Invisible Decays of the Upsilon\(1S\) Resonance.](#)
By CLEO Collaboration (P. Rubin et al.).
[hep-ex/0612051].
[10.1103/PhysRevD.75.031104](#).
Phys.Rev. D75 (2007) 031104.
- 706) [Anti-deuteron production in Upsilon\(nS\) decays and the nearby continuum.](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/0612019].
[10.1103/PhysRevD.75.012009](#).
Phys.Rev. D75 (2007) 012009.
- 707) [\$\chi_{cJ}\$ Decays to \$h^+ h^- h^0\$.](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0611032].
[10.1103/PhysRevD.75.032002](#).
Phys.Rev. D75 (2007) 032002.
- 708) [Confirmation of the Y\(4260\) resonance production in ISR.](#)
By CLEO Collaboration (Q. He et al.).
[hep-ex/0611021].
[10.1103/PhysRevD.74.091104](#).
Phys.Rev. D74 (2006) 091104.

- 709) [chi\(c0\) and chi\(c2\) Decays into eta eta, eta eta-prime, and eta-prime eta-prime Final States.](#)
By CLEO Collaboration (G.S. Adams et al.).
[hep-ex/0611013].
[10.1103/PhysRevD.75.071101](#).
Phys.Rev. D75 (2007) 071101.
- 710) [Measurement of B\(Upsilon\(5S\) ---> B\(*\) \(s\) anti-B\(*\) \(s\)\) Using phi Mesons.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0610035].
[10.1103/PhysRevD.75.012002](#).
Phys.Rev. D75 (2007) 012002.
- 711) [Improved Measurement of the Branching Fraction and Energy Spectrum of eta-prime from Upsilon\(1S\) Decays.](#)
By CLEO Collaboration (O. Aquines et al.).
[hep-ex/0610032].
[10.1103/PhysRevD.74.092006](#), [10.1103/PhysRevD.75.119902](#).
Phys.Rev. D74 (2006) 092006, Erratum: Phys.Rev. D75 (2007) 119902.
- 712) [Measurement of inclusive production of eta, eta-prime and phi mesons in D0, D+ and D\(s\)+ decays.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0610008].
[10.1103/PhysRevD.74.112005](#).
Phys.Rev. D74 (2006) 112005.
- 713) [Status of charm flavor physics.](#)
By I. Shipsey. [hep-ex/0607070].
[10.1142/S0217751X06034525](#).
Int.J.Mod.Phys. A21 (2006) 5381-5403.
- 714) [Branching Fraction for the Doubly-Cabibbo-Suppressed Decay D+ ---> K+ pi0.](#)
By CLEO Collaboration (S.A. Dytman et al.).
[hep-ex/0609008].
[10.1103/PhysRevD.74.071102](#), [10.1103/PhysRevD.74.079904](#).
Phys.Rev. D74 (2006) 071102, Erratum: Phys.Rev. D74 (2006) 079904.
- 714a) *"An Experimental Review of Charm Physics"* I. Shipsey, Nuclear Physics B. (2006).
- 714b) *"The status of beauty and charm quark physics"* I. Shipsey, Proceedings of QCHS7, World Scientific. (2006).
- 715) [Measurement of B\(Upsilon\(5S\) ---> B\(*\) \(s\) anti-B\(*\) \(s\)\) Using phi Mesons.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0607080].
- 716) [Measurement of Absolute Hadronic Branching Fractions of D\(s\) Mesons.](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0607079].
- 717) [D0 anti-D0 Quantum Correlations, Mixing, and Strong Phases.](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/0607078].
[10.1142/S0217751X06034604](#).
Int.J.Mod.Phys. A21 (2006) 5456-5459.
- 718) [Branching fraction for the doubly-Cabibbo-suppressed decay D+ ---> K+ pi0.](#)
By CLEO Collaboration (S.A. Dytman et al.).
[hep-ex/0607075].

- 719) [Measurement of \$D\(s\)^+ \rightarrow \mu^+ \nu\$ and the decay constant \$f\(D\(s\)\)\$.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0607074].
- 720) [\$\chi_{cJ}\$ Decays to \$h^+ h^- h^0\$.](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0607072].
- 721) [Dalitz analysis of \$D^+ \rightarrow \pi^+ \pi^- \pi^+\$.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/0607069].
- 722) [Comparison of \$D \rightarrow K_0\(L\) \pi\$ and \$D \rightarrow K_0\(S\) \pi\$ decay rates.](#)
By CLEO Collaboration (Q. He et al.).
[hep-ex/0607068].
- 723) [Improved Measurement of the Branching Fraction and Energy Spectrum of eta-prime from Upsilon\(1S\) Decays.](#)
By CLEO Collaboration (O. Aquines et al.).
[hep-ex/0607056].
- 724) [Measurement of Upper Limits for Upsilon \$\rightarrow\$ gamma + Resonance Decays.](#)
By CLEO Collaboration (J.L. Rosner et al.).
[hep-ex/0607054].
- 725) [Study of Particle Production in Quark vs. Gluon Fragmentation at \$s^{1/2} \sim 10\$ -GeV.](#)
By CLEO Collaboration (Roy A. Briere et al.).
[hep-ex/0607052].
- 726) [First Observation of Upsilon\(3S\) \$\rightarrow\$ tau+ tau- and Tests of Lepton Universality in Upsilon Decays.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0607019].
[10.1103/PhysRevLett.98.052002.](#)
Phys.Rev.Lett. 98 (2007) 052002.
- 727) [Measurement of interfering \$K^*+ K^-\$ and \$K^*- K^+\$ amplitudes in the decay \$D_0 \rightarrow K^+ K^- \pi^0\$.](#)
By CLEO Collaboration (C. Cawfield et al.).
[hep-ex/0606045].
[10.1103/PhysRevD.74.031108.](#)
Phys.Rev. D74 (2006) 031108.
- 728) [Model independent measurement of form-factors in the decay \$D^+ \rightarrow K^- \pi^+ e^+ \nu\(e\)\$.](#)
By CLEO Collaboration (M.R. Shepherd et al.).
[hep-ex/0606010].
[10.1103/PhysRevD.74.052001.](#)
Phys.Rev. D74 (2006) 052001.
- 729) [Observation of \$\psi\(3770\) \rightarrow \gamma \chi_{c0}\$.](#)
By CLEO Collaboration (R.A. Briere et al.).
[hep-ex/0605070].
[10.1103/PhysRevD.74.031106.](#)
Phys.Rev. D74 (2006) 031106.
- 730) [Absolute Branching Fraction Measurements for \$D^+\$ and \$D_0\$ Inclusive Semileptonic Decays.](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0604044].
[10.1103/PhysRevLett.97.251801.](#)
Phys.Rev.Lett. 97 (2006) 251801.
- 731) [An Investigation of \$D^+ \rightarrow \tau^+ \nu\$.](#)

By CLEO Collaboration (P. Rubin et al.).
[hep-ex/0604043].
[10.1103/PhysRevD.73.112005](#).
Phys.Rev. D73 (2006) 112005.

732) [Search for the non-D anti-D decay \$\psi\(3770\) \rightarrow K_0\(S\) K_0\(L\)\$](#) .
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[hep-ex/0603026].
[10.1103/PhysRevD.75.119903](#), [10.1103/PhysRevD.74.012005](#).
Phys.Rev. D74 (2006) 012005, Erratum: Phys.Rev. D75 (2007) 119903.

733) [Measurement of interference between electromagnetic and strong amplitudes in \$\psi\(2S\)\$ decays to two pseudoscalar mesons](#).
By CLEO Collaboration (S. Dobbs et al.).
[hep-ex/0603020].
[10.1103/PhysRevD.74.011105](#).
Phys.Rev. D74 (2006) 011105.

734) [Charmonium decays of \$Y\(4260\)\$, \$\psi\(4160\)\$ and \$\psi\(4040\)\$](#) .
By CLEO Collaboration (T.E. Coan et al.).
[hep-ex/0602034].
[10.1103/PhysRevLett.96.162003](#).
Phys.Rev.Lett. 96 (2006) 162003.

735) [Status of charm flavor physics](#).
By I. Shipsey. Frascati Physics Series 41 (2006) 135-168.

736) [First measurements of the exclusive decays of the \$\psi\(5S\)\$ to B meson final states and improved \$B^*\(S\)\$ mass measurement](#).
By CLEO Collaboration (O. Aquines et al.).
[hep-ex/0601044].
[10.1103/PhysRevLett.96.152001](#).
Phys.Rev.Lett. 96 (2006) 152001.

737) [Experimental limits on weak annihilation contributions to \$B \rightarrow u l \nu\$ decay](#).
By CLEO Collaboration (J.L. Rosner et al.).
[hep-ex/0601027].
[10.1103/PhysRevLett.96.121801](#).
Phys.Rev.Lett. 96 (2006) 121801.

738) [CMS physics: Technical design report](#).
By CMS Collaboration (G.L. Bayatian et al.).

739) [New measurements of Cabibbo-suppressed decays of D mesons in CLEO-c](#).
By CLEO Collaboration (P. Rubin et al.).
[hep-ex/0512063].
[10.1103/PhysRevLett.96.081802](#).
Phys.Rev.Lett. 96 (2006) 081802.

740) [Measurement of the direct photon momentum spectrum in \$\psi\(1S\)\$, \$\psi\(2S\)\$, and \$\psi\(3S\)\$ decays](#).
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0512061].
[10.1103/PhysRevD.74.012003](#).
Phys.Rev. D74 (2006) 012003.

741) [Di-electron widths of the \$\psi\(1S, 2S, 3S\)\$ resonances](#).
By CLEO Collaboration (J.L. Rosner et al.).
[hep-ex/0512056].
[10.1103/PhysRevLett.96.092003](#).

Phys.Rev.Lett. 96 (2006) 092003.

742) [Measurement of \$\Gamma\(ee\)\(J/\psi\)\$, \$\Gamma\(\text{tot}\)\(J/\psi\)\$, and \$\Gamma\(ee\)\[\psi\(2S\)\]/\Gamma\(ee\)\(J/\psi\)\$.](#)
By CLEO Collaboration (G.S. Adams et al.).
[hep-ex/0512046].
[10.1103/PhysRevD.73.051103](#).
Phys.Rev. D73 (2006) 051103.

743) [Measurement of \$\sigma\(e^+e^- \rightarrow \psi\(3770\) \rightarrow \text{hadrons}\)\$ at \$E_{\text{c.m.}} = 3773 \text{ MeV}\$.](#)
By CLEO Collaboration (D. Besson et al.).
[arXiv:1004.1358 [hep-ex]].
[10.1103/PhysRevLett.96.092002](#), [10.1103/PhysRevLett.104.159901](#).
Phys.Rev.Lett. 96 (2006) 092002, Erratum: Phys.Rev.Lett. 104 (2010) 159901.

744) [RD50 status report 2005: Radiation hard semiconductor devices for very high luminosity colliders.](#)
By RD50 Collaboration (F. Campabadal et al.).

745) [Radiative decays of the Upsilon\(1S\) to \$\gamma \pi^0 \pi^0\$, \$\gamma \eta \eta\$ and \$\gamma \pi^0 \eta\$.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0512003].
[10.1103/PhysRevD.75.072001](#).
Phys.Rev. D75 (2007) 072001.

746) [Experimental study of \$\chi\(b\)\(2P\) \rightarrow \pi \pi \chi\(b\)\(1P\)\$.](#)
By CLEO Collaboration (C. Cawlfeld et al.).
[hep-ex/0511019].
[10.1103/PhysRevD.73.012003](#).
Phys.Rev. D73 (2006) 012003.

746a) [Observation of \$B^\(s\)\$ anti- \$B^*\(s\)\$ production at the \$\psi\(5S\)\$ resonance.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/0510034].
[10.1103/PhysRevLett.96.022002](#).
Phys.Rev.Lett. 96 (2006) 022002.

747) [Two photon width of \$\chi\(c2\)\$.](#)
By CLEO Collaboration (S. Dobbs et al.).
[hep-ex/0510033].
[10.1103/PhysRevD.73.071101](#).
Phys.Rev. D73 (2006) 071101.

748) [Radiative decays of the \$\psi\(1S\)\$ to a pair of charged hadrons.](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0510015].
[10.1103/PhysRevD.73.032001](#).
Phys.Rev. D73 (2006) 032001.

749) [Precision measurements of the timelike electromagnetic form-factors of pion, kaon, and proton.](#)
By CLEO Collaboration (T.K. Pedlar et al.).
[hep-ex/0510005].
[10.1103/PhysRevLett.95.261803](#).
Phys.Rev.Lett. 95 (2005) 261803.

750) [Search for exclusive multi-body non-D anti-D decays at the \$\psi\(3770\)\$.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0509046].
[10.1103/PhysRevLett.96.032003](#).
Phys.Rev.Lett. 96 (2006) 032003.

751) [First observation of \$\psi\(3770\) \rightarrow \gamma \chi\(c1\) \rightarrow \gamma \gamma J/\psi\$.](#)

By CLEO Collaboration (T.E. Coan et al.).
[hep-ex/0509030].
[10.1103/PhysRevLett.96.182002.](#)
Phys.Rev.Lett. 96 (2006) 182002.

752) [Development of radiation tolerant semiconductor detectors for the Super-LHC.](#)
By CERN RD50 Collaboration (M. Moll et al.).
[10.1016/j.nima.2005.03.044.](#)
Nucl.Instrum.Meth. A546 (2005) 99-107.

753) [Decay of the psi\(3770\) to light hadrons.](#)
By CLEO Collaboration (G.S. Adams et al.).
[hep-ex/0509011].
[10.1103/PhysRevD.73.012002.](#)
Phys.Rev. D73 (2006) 012002.

754) [Improved measurement of B \(D+ ---> mu+ nu\) and the pseudoscalar decay constant f\(D+\).](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0508057].
[10.1103/PhysRevLett.95.251801.](#)
Phys.Rev.Lett. 95 (2005) 251801.

755) [First evidence and measurement of B\(s\)\(*\) anti-B\(s\)\(*\) production at the Upsilon\(5S\).](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/0408070].
[10.1103/PhysRevLett.95.261801.](#)
Phys.Rev.Lett. 95 (2005) 261801.

756) [Observation of the P\(1\)-1 state of charmonium.](#)
By CLEO Collaboration (P. Rubin et al.).
[hep-ex/0508037].
[10.1103/PhysRevD.72.092004.](#)
Phys.Rev. D72 (2005) 092004.

757) [Search for rare and forbidden decays D+ ---> h+ e+ e+.](#)
By CLEO Collaboration (Q. He et al.).
[hep-ex/0508031].
[10.1103/PhysRevLett.95.221802.](#)
Phys.Rev.Lett. 95 (2005) 221802.

758) [Observation of psi\(3770\) ---> pi pi J/psi and measurement of Gamma\(ee\) \[psi\(2S\)\].](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0508023].
[10.1103/PhysRevLett.96.082004.](#)
Phys.Rev.Lett. 96 (2006) 082004.

759) [Radiation-hard semiconductor detectors for SuperLHC.](#)
By M. Bruzzi et al..
[10.1016/j.nima.2005.01.056.](#)
Nucl.Instrum.Meth. A541 (2005) 189-201.

760) [Particle physics: Weighty questions.](#)
By Ian Shipsey.
[10.1038/436186a.](#)
Nature 436 (2005) 186-187.

761) [Absolute branching fraction measurements of exclusive D+ semileptonic decays.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0506053].
[10.1103/PhysRevLett.95.181801.](#)

Phys.Rev.Lett. 95 (2005) 181801.

762) [Absolute branching fraction measurements of exclusive D0 semileptonic decays.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/0506052].

[10.1103/PhysRevLett.95.181802.](#)

Phys.Rev.Lett. 95 (2005) 181802.

*762a) [Observation of thirteen new exclusive multi-body hadronic decays of the psi\(2S\).](#)

By CLEO Collaboration (Roy A. Briere et al.).

[hep-ex/0505101].

[10.1103/PhysRevLett.95.062001.](#)

Phys.Rev.Lett. 95 (2005) 062001.

763) [Observation of h\(c\)\(P\(1\)-1\) state of charmonium.](#)

By CLEO Collaboration (J.L. Rosner et al.).

[hep-ex/0505073].

[10.1103/PhysRevLett.95.102003.](#)

Phys.Rev.Lett. 95 (2005) 102003.

764) [Branching fraction measurements of psi\(2S\) decay to baryon-antibaryon final states.](#)

By CLEO Collaboration (T.K. Pedlar et al.).

[hep-ex/0505057].

[10.1103/PhysRevD.72.051108.](#)

Phys.Rev. D72 (2005) 051108.

765) [Measurement of absolute hadronic branching fractions of D mesons and \$e^+ e^- \rightarrow D \text{ anti-D}\$ cross sections at \$E\(\text{cm}\) = 3773\text{-MeV}\$.](#)

By CLEO Collaboration (Q. He et al.).

[hep-ex/0504003].

[10.1103/PhysRevLett.95.121801.](#)

Phys.Rev.Lett. 95 (2005) 121801, Erratum: Phys.Rev.Lett. 96 (2006) 199903.

766) [Searches for CP violation and pi pi S-wave in the Dalitz-Plot of \$D0 \rightarrow \pi^+ \pi^- \pi^0\$.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).

[hep-ex/0503052].

[10.1103/PhysRevD.75.119904](#), [10.1103/PhysRevD.72.031102](#).

Phys.Rev. D72 (2005) 031102, Erratum: Phys.Rev. D75 (2007) 119904.

767) [Search for \$D0\$ - anti- \$D0\$ mixing in the Dalitz plot analysis of \$D0 \rightarrow K0\(S\) \pi^+ \pi^-\$.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/0503045].

[10.1103/PhysRevD.72.012001.](#)

Phys.Rev. D72 (2005) 012001.

768) [Branching fractions for psi\(2S\) to J/psi transitions.](#)

By CLEO Collaboration (N.E. Adam et al.).

[hep-ex/0503028].

[10.1103/PhysRevLett.94.232002.](#)

Phys.Rev.Lett. 94 (2005) 232002.

769) [Measurement of the branching fractions for \$J/\psi \rightarrow l^+ l^-\$.](#)

By CLEO Collaboration (Z. Li et al.).

[hep-ex/0503027].

[10.1103/PhysRevD.71.111103.](#)

Phys.Rev. D71 (2005) 111103.

770) [Limits on neutral D mixing in semileptonic decays.](#)

By CLEO Collaboration (C. Cawfield et al.).

[hep-ex/0502012].

[10.1103/PhysRevD.71.077101](#).
Phys.Rev. D71 (2005) 077101.

771) [Study of tau decays to four-hadron final states with kaons.](#)
By CLEO Collaboration (Kregg E. Arms et al.).
[hep-ex/0501042].
[10.1103/PhysRevLett.94.241802](#).
Phys.Rev.Lett. 94 (2005) 241802.

772) [The Search for \$\eta\(1440\) \rightarrow K_0\(S\) K^+ \pi^-\$ in two-photon fusion at CLEO.](#)
By CLEO Collaboration (R. Ahohe et al.).
[hep-ex/0501026].
[10.1103/PhysRevD.71.072001](#).
Phys.Rev. D71 (2005) 072001.

773) [Recent advancements in the development of radiation hard semiconductor detectors for S-LHC.](#)
By CERN RD50 Collaboration (E. Fretwurst et al.).
[10.1016/j.nima.2005.05.039](#).
Nucl.Instrum.Meth. A552 (2005) 7-19.

774) [Search for axion-like particles from the sun in an underground negative-ion TPC.](#)
By D. Naples et al..
[10.1016/j.nuclphysbps.2004.08.021](#).
Nucl.Phys.Proc.Suppl. 134 (2004) 130-132.

*774a) [Improved measurement of the form-factors in the decay \$\Lambda_b^+ \rightarrow \Lambda e^+ \nu\(e\)\$.](#)
By CLEO Collaboration (J.W. Hinson et al.).
[hep-ex/0501002].
[10.1103/PhysRevLett.94.191801](#).
Phys.Rev.Lett. 94 (2005) 191801.

775) [Search for \$e^+ e^- \rightarrow \Lambda_b^0 \bar{\Lambda}_b^0\$ near threshold.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0411078].
[10.1103/PhysRevD.75.119905](#), [10.1103/PhysRevD.71.012004](#).
Phys.Rev. D71 (2005) 012004, Erratum: Phys.Rev. D75 (2007) 119905.

776) [Photon transitions in Upsilon\(2S\) and Upsilon\(3S\) decays.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0411068].
[10.1103/PhysRevLett.94.032001](#).
Phys.Rev.Lett. 94 (2005) 032001.

777) [Measuring \$B\(D^+ \rightarrow \mu^+ \nu\)\$ and the pseudoscalar decay constant \$f\(D^+\)\$.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/0411050].
[10.1103/PhysRevD.70.112004](#).
Phys.Rev. D70 (2004) 112004.

778) [An Experimenter's view of lattice QCD.](#)
By I. Shipsey.
[hep-lat/0411009].
[10.1016/j.nuclphysbps.2004.11.246](#).
Nucl. Phys. Proc. Suppl. 140 (2005) 58-67.

779) [A New measurement of the masses and widths of the \$\Sigma^{*++}\(c\)\$ and \$\Sigma^{*0}\(c\)\$ charmed baryons.](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0410088].
[10.1103/PhysRevD.71.051101](#).
Phys.Rev. D71 (2005) 051101.

- 780) [Search for X\(3872\) in gamma gamma fusion and ISR at CLEO.](#)
By CLEO Collaboration (S. Dobbs et al.).
[hep-ex/0410038].
[10.1103/PhysRevLett.94.032004.](#)
Phys.Rev.Lett. 94 (2005) 032004.
- *780a) [Electron transparency, ion transparency and ion feedback of a 3-M GEM.](#)
By P.S. Barbeau, J. Collar, J. Miyamoto, I. Shipsey.
[10.1016/j.nima.2004.03.053.](#)
Nucl. Instrum. Meth. A525 (2004) 33-37.
- 781) [Measurement of the muonic branching fractions of the narrow Upsilon resonances.](#)
By CLEO Collaboration (G.S. Adams et al.).
[hep-ex/0409027].
[10.1103/PhysRevLett.94.012001.](#)
Phys.Rev.Lett. 94 (2005) 012001.
- 782) [Photon transitions in psi\(2S\) decays to chi\(cJ\) \(1P\) and eta\(c\)\(1S\).](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0408133].
[10.1103/PhysRevD.70.112002.](#)
Phys.Rev. D70 (2004) 112002.
- 783) [First CLEO-c results on exclusive D0 semileptonic decays.](#)
By CLEO Collaboration (K.Y. Gao et al.).
[hep-ex/0408077].
- 784) [Measurement of B\(D+ ---> mu+ nu\) and the pseudoscalar decay constant f\(D+\)*.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0408071].
- 785) [Hadronic branching fractions of D0 and D+, and sigma \(e+e- ---> D anti-D\) at E\(cm\) = 3.77-GeV.](#)
By CLEO Collaboration (Bob I. Eisenstein et al.).
[hep-ex/0408055].
- 786) [Search for X\(3872\) in untagged gamma gamma fusion and initial state radiation production with CLEO III.](#)
By CLEO Collaboration (Z. Metreveli et al.).
[hep-ex/0408057].
- 787) [Search for the lepton-flavor-violating leptonic B decays B0 --> mu+- tau -+ and B0 --> e+- tau -+.](#)
By CLEO Collaboration (A. Bornheim et al.).
[hep-ex/0408011].
[10.1103/PhysRevLett.93.241802.](#)
Phys.Rev.Lett. 93 (2004) 241802.
- 788) [Measurement of the muonic branching fraction of the narrow upsilon resonances at CLEO.](#)
By CLEO Collaboration (G.S. Adams et al.).
[hep-ex/0408010].
- 789) [Status of charm flavor physics.](#)
By I. Shipsey.
[10.1142/S0217751X05028636.](#)
Int.J.Mod.Phys. A20 (2005) 5119-5132.
- 790) [Study of semileptonic charm decays D0 ---> pi- l+ nu and D0 ---> K- l+ nu.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0407035].
[10.1103/PhysRevLett.94.011802.](#)

Phys.Rev.Lett. 94 (2005) 011802.

791) [New measurements of \$\Upsilon\(1S\)\$ decays to charmonium final states.](#)

By CLEO Collaboration (Roy A. Briere et al.).

[hep-ex/0407030].

[10.1103/PhysRevD.70.072001.](#)

Phys.Rev. D70 (2004) 072001.

792) [Observation of 1-0- final states from \$\psi\(2S\)\$ decays and \$e^+e^-\$ annihilation.](#)

By CLEO Collaboration (N.E. Adam et al.).

[hep-ex/0407028].

[10.1103/PhysRevLett.94.012005.](#)

Phys.Rev.Lett. 94 (2005) 012005.

793) [First observation and Dalitz analysis of the \$D_0 \rightarrow K_0\(S\) \eta \pi^0\$ decay.](#)

By CLEO Collaboration (P. Rubin et al.).

[hep-ex/0405011].

[10.1103/PhysRevLett.93.111801.](#)

Phys.Rev.Lett. 93 (2004) 111801.

794) [First observation of a \$\Upsilon\(1D\)\$ state.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[hep-ex/0404021].

[10.1103/PhysRevD.70.032001.](#)

Phys.Rev. D70 (2004) 032001.

795) [Measurement of the B-meson inclusive semileptonic branching fraction and electron energy moments.](#)

By CLEO Collaboration (A.H. Mahmood et al.).

[hep-ex/0403053].

[10.1103/PhysRevD.70.032003.](#)

Phys.Rev. D70 (2004) 032003.

796) [Moments of the B meson inclusive semileptonic decay rate using neutrino reconstruction.](#)

By CLEO Collaboration (S.E. Csorna et al.).

[hep-ex/0403052].

[10.1103/PhysRevD.70.032002.](#)

Phys.Rev. D70 (2004) 032002.

797) [Charm meson spectra in \$e^+e^-\$ annihilation at 10.5-GeV c.m.e..](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/0402040].

[10.1103/PhysRevD.70.112001.](#)

Phys.Rev. D70 (2004) 112001.

798) [Particle physics: Lattice window on strong force.](#)

By Ian Shipsey, Nature 427 (2004) 591-592.

799) [Wess-Zumino current and the structure of the decay \$\tau^- \rightarrow K^- K^+ \pi^- \nu\(\tau\)\$.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/0401005].

[10.1103/PhysRevLett.92.232001.](#)

Phys.Rev.Lett. 92 (2004) 232001.

800) [Observation of \$\eta'\$ production in \$\gamma\gamma\$ fusion at CLEO.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/0312058].

[10.1103/PhysRevLett.92.142001.](#)

Phys.Rev.Lett. 92 (2004) 142001.

801) [Observation of the hadronic transitions \$\chi\(b_{1,2}\)\(2P\) \rightarrow \omega \Upsilon\(1S\)\$.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).
[hep-ex/0311043].

802) [Search for CP violation in \$D^0 \rightarrow K^0\(S\) \pi^+ \pi^-\$.](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/0311033].
[10.1103/PhysRevD.70.091101](#).
Phys.Rev. D70 (2004) 091101.

803) [GEM operation in negative ion drift gas mixtures.](#)
By J. Miyamoto, J. Miyamoto, I. Shipsey, C.J. Martoff, M. Katz-Hyman, R. Ayad, G. Bonvicini, A. Schreiner.
[10.1016/j.nima.2004.02.018](#).
Nucl.Instrum.Meth. A526 (2004) 409-412.

804) [Status of the CLEO III silicon tracker.](#)
By E. von Torne et al. Nucl. Instrum. Meth. A511 (2003) 11-15.

805) [\$D^0 - \bar{D}^0\$ mixing and rare charm decays.](#)
By Gustavo Burdman, Ian Shipsey.
[hep-ph/0310076].
[10.1146/annurev.nucl.53.041002.110348](#).
Ann.Rev.Nucl.Part.Sci. 53 (2003) 431-499.

806) [Cabibbo suppressed decays of \$D^+ \rightarrow \pi^+ \pi^0, K^+ \text{anti-}K^0, K^+ \pi^0\$.](#)
By CLEO Collaboration (Kregg E. Arms et al.).
[hep-ex/0309065].
[10.1103/PhysRevD.69.071102](#).
Phys.Rev. D69 (2004) 071102.

807) [Measurement of the decay rate of \$\Xi^0\(c\) \rightarrow pK^- K^- \pi^+\$ relative to \$\Xi^0\(c\) \rightarrow \Xi^- \pi^+\$.](#)
By CLEO Collaboration (I. Danko et al.).
[hep-ex/0309020].
[10.1103/PhysRevD.69.052004](#).
Phys.Rev. D69 (2004) 052004.

808) [Measurement of the hadronic recoil mass moments in semileptonic B decay.](#)
By CLEO Collaboration (G.S. Huang et al.).
[hep-ex/0307081].

809) [Measurement of the charge asymmetry in \$B \rightarrow K^*\(892\)^- \pi^+\$.](#)
By CLEO Collaboration (Bob I. Eisenstein et al.).
[10.1103/PhysRevD.68.017101](#).
Phys.Rev. D68 (2003) 017101.

810) [Observation of the hadronic transitions \$\chi\(b1,2\) \(2P\) \rightarrow \omega \text{Upsilon} \(1S\)\$.](#)
By CLEO Collaboration (H. Severini et al.).
[hep-ex/0307034].
[10.1103/PhysRevLett.92.222002](#).
Phys.Rev.Lett. 92 (2004) 222002.

811) [A Dalitz plot analysis of \$D^0 \rightarrow \pi^- \pi^+ \pi^0\$ decays in CLEO II.V.](#)
By CLEO Collaboration (V.V. Frolov et al.).
[hep-ex/0306048].

812) [The US-CMS Forward Pixel Group.](#)
By M. Atac et al.. FERMILAB-PROPOSAL-0936 (2003)
<http://inspirehep.net/record/880139/files/fermilab-proposal-0936.PDF?version=1>

813) [Improved measurement of the form-factors and first search for CP violation in the decay of \$\Lambda^+\(c\) \rightarrow \Lambda^+ e^+ \nu\(e\)\$.](#)

By CLEO Collaboration (Z. Metreveli et al.).
[hep-ex/0306036].

814) [Cabibbo suppressed decays of \$D^+ \rightarrow \pi^+ \pi^0, K^+ \text{ anti-}K^0, K^+ \pi^0\$.](#)
By CLEO Collaboration (Kregg E. Arms et al.).
[hep-ex/0306019].

815) [Observation of eta-prime\(c\) production in gamma gamma fusion at CLEO.](#)
By CLEO Collaboration (J. Ernst et al.).
[hep-ex/0306060].

816) [Observation of a narrow resonance of mass 2.46-GeV/c**2 decaying to \$D^{*+}\(s\) \pi^0\$ and confirmation of the \$D^{*}\(sJ\)\(2317\)\$ state.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0305100].
[10.1103/PhysRevD.75.119908](#), [10.1103/PhysRevD.68.032002](#).
Phys.Rev. D68 (2003) 032002, Erratum: Phys.Rev. D75 (2007) 119908.

817) [Observation of a narrow resonance of mass 2.46-GeV/c**2 in the \$D^{*}\(s\)^+ \pi^0\$ final state, and confirmation of the \$D^{*}\(sJ\)\(2317\)\$.](#)
By CLEO Collaboration (D. Besson et al.).
[hep-ex/0305017].
[10.1063/1.1664286](#).
AIP Conf.Proc. 698 (2004) 497-502.

818) [Search for baryons in the radiative penguin decay \$b \rightarrow s \gamma\$.](#)
By CLEO Collaboration (K.W. Edwards et al.).
[hep-ex/0305005].
[10.1103/PhysRevD.68.011102](#).
Phys.Rev. D68 (2003) 011102.

819) [Measurement of the charge asymmetry in \$B \rightarrow K^{*}\(892\)^+ \pi^-\$.](#)
By CLEO Collaboration (Bob I. Eisenstein et al.).
[hep-ex/0304036].
Submitted to: Phys.Rev.D.

820) [The CLEO III silicon vertex detector.](#)
By R. Kass et al..
[10.1016/S0168-9002\(02\)02007-7](#).
Nucl.Instrum.Meth. A501 (2003) 32-38.

821) [Study of the \$q^2\$ dependence of \$B \rightarrow \pi l \nu\$ and \$B \rightarrow \rho\(\omega\) l \nu\$ decay and extraction of \$|V\(u b\)|\$.](#)
By CLEO Collaboration (S.B. Athar et al.).
[hep-ex/0304019].
[10.1103/PhysRevD.68.072003](#).
Phys.Rev. D68 (2003) 072003.

822) [Search for \$B \rightarrow \text{anti-}p e^- \text{ anti-}\nu\(e\) X\$ decay using a partial reconstruction method.](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0304015].
[10.1103/PhysRevD.68.012004](#).
Phys.Rev. D68 (2003) 012004.

823) [A First mass production of gas electron multipliers.](#)
By P.S. Barbeau, J.I. Collar, J.D. Geissinger, J. Miyamoto, I. Shipsey, R. Yang.
[hep-ex/0304013].
[10.1016/j.nima.2003.06.011](#).
Nucl.Instrum.Meth. A515 (2003) 439-445.

- 824) [Study of the charmless inclusive \$B \rightarrow \eta' X\$ decay.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/0303009].
[10.1103/PhysRevD.68.011101](#).
Phys.Rev. D68 (2003) 011101.
- 825) [Branching fractions of tau leptons decays to three charged hadrons.](#)
By CLEO Collaboration (Roy A. Briere et al.).
[hep-ex/0302028].
[10.1103/PhysRevLett.90.181802](#).
Phys.Rev.Lett. 90 (2003) 181802.
- 826) [Measurements of charmless hadronic two body B meson decays and the ratio \$B\(B \rightarrow DK\) / B\(B \rightarrow D\pi\)\$.](#)
By CLEO Collaboration (A. Bornheim et al.).
[hep-ex/0302026].
[10.1103/PhysRevD.75.119907](#), [10.1103/PhysRevD.68.052002](#).
Phys.Rev. D68 (2003) 052002, Erratum: Phys.Rev. D75 (2007) 119907.
- 827) [Measurements of the branching fractions and helicity amplitudes in \$B \rightarrow D^* \rho\$ decays.](#)
By CLEO Collaboration (S.E. Csorna et al.).
[hep-ex/0301028].
[10.1103/PhysRevD.67.112002](#).
Phys.Rev. D67 (2003) 112002.
- 828) [Diamond Detector Test.](#)
<http://lss.fnal.gov/archive/test-proposal/0000/fermilab-proposal-0932.pdf>
Fermilab Proposal 0932 (S. Worm et al.)
- 829) [Measurement of lepton momentum moments in the decay \$\text{anti-B} \rightarrow X l \text{anti-}\nu\$ and determination of heavy quark expansion parameters and \$|V_{cb}|\$.](#)
By CLEO Collaboration (A.H. Mahmood et al.).
[hep-ex/0212051].
[10.1103/PhysRevD.67.072001](#).
Phys.Rev. D67 (2003) 072001.
- 830) [First search for the flavor changing neutral current decay \$D_0 \rightarrow \gamma\gamma\$.](#)
By CLEO Collaboration (T.E. Coan et al.).
[hep-ex/0212045].
[10.1103/PhysRevLett.90.101801](#).
Phys.Rev.Lett. 90 (2003) 101801.
- 831) [Towards coherent neutrino detection using low background micropattern gas detectors.](#)
By P.S. Barbeau, J.I. Collar, J. Miyamoto, I. Shipsey.
[hep-ex/0212034].
[10.1109/TNS.2003.818237](#).
IEEE Trans.Nucl.Sci. 50 (2003) 1285-1289.
- 832) [Inclusive eta-prime production from the Upsilon\(1S\).](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0211029].
[10.1103/PhysRevD.67.052003](#).
Phys.Rev. D67 (2003) 052003.
- 833) [First observation of the exclusive decays \$\Lambda_b^+\(c\) \rightarrow \Lambda_b \pi^+ \pi^- \pi^0\$ and \$\Lambda_b^+\(c\) \rightarrow \Lambda_b \omega \pi^+\$.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[hep-ex/0210048].
[10.1103/PhysRevD.67.012001](#).
Phys.Rev. D67 (2003) 012001.

- 834) [Determination of the anti-B \$\rightarrow\$ D* l anti-nu decay width and |V\(cb\)|.](#)
By CLEO Collaboration (N.E. Adam et al.).
[hep-ex/0210040].
[10.1103/PhysRevD.67.032001.](#)
Phys.Rev. D67 (2003) 032001.
- 835) [Search for neutrinoless tau decays involving the K0\(S\) meson.](#)
By CLEO Collaboration (S. Chen et al.).
[hep-ex/0208019].
[10.1103/PhysRevD.66.071101.](#)
Phys.Rev. D66 (2002) 071101.
- 836) [CLEO-c and CESR-c: Allowing quark flavor physics to reach its full potential.](#)
By Ian Shipsey. [hep-ex/0207091]. Quark mixing, CKM unitarity : Proceedings, International Workshop, Heidelberg, Germany, 19-20 Sep 2002
- 837) [Observation of the decay Omega0\(c\) \$\rightarrow\$ Omega- e+ nu\(e\).](#)
By CLEO Collaboration (R. Ammar et al.).
[hep-ex/0207078].
[10.1103/PhysRevLett.89.171803.](#)
Phys.Rev.Lett. 89 (2002) 171803.
- 838) [Dalitz analysis of D0 \$\rightarrow\$ K0\(S\) pi+ pi-.](#)
By CLEO Collaboration (H. Muramatsu et al.).
[hep-ex/0207067].
[10.1103/PhysRevLett.89.251802.](#)
Phys.Rev.Lett. 89 (2002) 251802, Erratum: Phys.Rev.Lett. 90 (2003) 059901.
- 839) [Preliminary results on |V\(ub\)| from inclusive semileptonic B decays with neutrino reconstruction.](#)
By CLEO Collaboration (A. Bornheim et al.).
[hep-ex/0207064].
- 840) [Study of two photon transitions in CLEO-III Upsilon \(3S\) data.](#)
By CLEO Collaboration (D. Cinabro et al.).
[hep-ex/0207062].
- 841) [First observation of Upsilon \(1D\) states.](#)
By CLEO Collaboration (S.E. Csorna et al.).
[hep-ex/0207060].
- 842) [Search for eta\(b\)\(1S\) in inclusive radiative decays of the Upsilon\(3S\).](#)
By CLEO Collaboration (A.H. Mahmood et al.).
[hep-ex/0207057].
- 843) [Measurements of inclusive \$B \rightarrow \psi\$ production.](#)
By CLEO Collaboration (S. Anderson et al.).
[hep-ex/0207059].
[10.1103/PhysRevLett.89.282001.](#)
Phys.Rev.Lett. 89 (2002) 282001.
- 844) [Measurement of the lepton energy in the decay anti-B \$\rightarrow\$ X l anti-nu and determination of the heavy quark expansion parameters.](#)
By CLEO Collaboration (Roy A. Briere et al.).
[hep-ex/0209024]. Proceedings, 31st International Conference, ICHEP 2002, Amsterdam, Netherlands, July 25-31, 2002
- 845) [Measurement of exclusive B decays to final states containing a charmed baryon.](#)
By CLEO Collaboration (S.A. Dytman et al.).
[hep-ex/0208006].

[10.1103/PhysRevD.66.091101](#).
Phys.Rev. D66 (2002) 091101.

846) [Measurement of \$B\(B \rightarrow D_0 \pi^-\)\$ and \$B\(\text{anti-}B_0 \rightarrow D^+ \pi^-\)\$ and isospin analysis of \$B \rightarrow D \pi\$ decays.](#)
By CLEO Collaboration (S. Ahmed et al.).
[hep-ex/0206030].
[10.1103/PhysRevD.66.031101](#).
Phys.Rev. D66 (2002) 031101.

847) [Observation of \$B \rightarrow K_0\(S\) \pi^+ \pi^-\$ and evidence for \$B \rightarrow K^{*+} \pi^-\$.](#)
By CLEO Collaboration (E. Eckhart et al.).
[hep-ex/0206024].
[10.1103/PhysRevLett.89.251801](#).
Phys.Rev.Lett. 89 (2002) 251801.

848) [An aging study of triple GEMs in Ar-CO-2.](#)
By L. Guirl, S. Kane, J. May, J. Miyamoto, I. Shipsey.
[10.1016/S0168-9002\(01\)01768-5](#).
Nucl.Instrum.Meth. A478 (2002) 263-266.

849) [Correlated inclusive \$\Lambda\$ anti- \$\Lambda\$ production in \$e^+ e^-\$ annihilations at \$s^{*1/2}\$ approximately \$10.5\text{-GeV}\$.](#)
By CLEO Collaboration (Z. Metreveli et al.).
[hep-ex/0205085].
[10.1103/PhysRevD.66.052002](#).
Phys.Rev. D66 (2002) 052002.

850) [Anti-search for the glueball candidate \$f\(J\)\(2220\)\$ in two-photon interactions.](#)
By CLEO Collaboration (K. Benslama et al.).
[hep-ex/0204019].
[10.1103/PhysRevD.66.077101](#).
Phys.Rev. D66 (2002) 077101.

851) [Search for lepton flavor violating decays of \$B\$ mesons.](#)
By CLEO Collaboration (K.W. Edwards et al.).
[hep-ex/0204017].
[10.1103/PhysRevD.65.111102](#).
Phys.Rev. D65 (2002) 111102.

852) [Cleo-c and CESR-c: A New frontier in weak and strong interactions.](#)
By Ian Shipsey.
[hep-ex/0203033].
[10.1063/1.1478862](#).
AIP Conf.Proc. 618 (2002) 427-437.

853) [Improved measurement of \$|V\(cb\)|\$ using anti- \$B \rightarrow D^* l \nu\$ decays.](#)
By CLEO Collaboration (Roy A. Briere et al.).
[hep-ex/0203032].
[10.1103/PhysRevLett.89.081803](#).
Phys.Rev.Lett. 89 (2002) 081803.

854) [Measurement of the \$D^+ \rightarrow \text{anti-}K^0 l^+ \text{lepton-neutrino}\$ branching fraction.](#)
By CLEO Collaboration (G. Brandenburg et al.).
[hep-ex/0203030].
[10.1103/PhysRevLett.89.222001](#).
Phys.Rev.Lett. 89 (2002) 222001.

855) [A study of MICROMEGAS with preamplification with a single GEM.](#)
By S. Kane et al..
[10.1142/9789812776464_0098](#).

856) [Measurement of the ratio of branching fractions of the Upsilon\(4S\) to charged and neutral B mesons.](#)

By CLEO Collaboration (S.B. Athar et al.).

[hep-ex/0202033].

[10.1103/PhysRevD.66.052003.](#)

Phys.Rev. D66 (2002) 052003.

857) [Improved measurement of \$|V\(ub\)|\$ with inclusive semileptonic B decays.](#)

By CLEO Collaboration (A. Bornheim et al.).

[hep-ex/0202019].

[10.1103/PhysRevLett.88.231803.](#)

Phys.Rev.Lett. 88 (2002) 231803.

858) [Further experimental studies of two-body radiative Upsilon decays.](#)

By CLEO Collaboration (G. Masek et al.).

[hep-ex/0201005].

[10.1103/PhysRevD.65.072002.](#)

Phys.Rev. D65 (2002) 072002.

859) [Observation of exclusive anti-B \$\rightarrow\$ D\(*\) K*- decays.](#)

By CLEO Collaboration (R. Mahapatra et al.).

[hep-ex/0112033].

[10.1103/PhysRevLett.88.101803.](#)

Phys.Rev.Lett. 88 (2002) 101803.

860) [Search for CP violation in tau \$\rightarrow\$ K pi tau-neutrino decays.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[hep-ex/0111095].

[10.1103/PhysRevLett.88.111803.](#)

Phys.Rev.Lett. 88 (2002) 111803.

861) [Lifetime differences, direct CP violation and partial widths in D0 meson decays to K+ K- and pi+ pi-.](#)

By CLEO Collaboration (S.E. Csorna et al.).

[hep-ex/0111024].

[10.1103/PhysRevD.65.092001.](#)

Phys.Rev. D65 (2002) 092001.

862) [Design and initial performance of the CLEO III silicon tracker.](#)

By E. von Torne et al..

[10.1016/S0168-9002\(01\)01114-7.](#)

Nucl.Instrum.Meth. A473 (2001) 17-25.

863) [Measurement of the masses and widths of the Sigma++\(c\) and Sigma0\(c\) charmed baryons.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/0110071].

[10.1103/PhysRevD.65.071101.](#)

Phys.Rev. D65 (2002) 071101.

864) [Measurement of the Xi+\(c\) lifetime.](#)

By CLEO Collaboration (A.H. Mahmood et al.).

[hep-ex/0110058].

[10.1103/PhysRevD.65.031102.](#)

Phys.Rev. D65 (2002) 031102.

865) [Observation of anti-B0 \$\rightarrow\$ D0 pi0 and anti-B0 \$\rightarrow\$ D*0 pi0.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/0110055].

[10.1103/PhysRevLett.88.062001.](#)

Phys.Rev.Lett. 88 (2002) 062001.

- 866) [An aging study of a MICROMEAS with GEM preamplification.](#)
By J. Miyamoto, S. Kane, J. May, I. Shipsey.
[10.1016/j.nima.2003.09.008](https://doi.org/10.1016/j.nima.2003.09.008).
Nucl.Instrum.Meth. A515 (2003) 261-265.
- 867) [First measurement of \$\Gamma\(D^{*+}\)\$ and precision measurement of \$m\(D^{*+}\) - m\(D0\)\$.](#)
By CLEO Collaboration (A. Anastassov et al.).
[hep-ex/0108043].
[10.1103/PhysRevD.65.032003](https://doi.org/10.1103/PhysRevD.65.032003).
Phys.Rev. D65 (2002) 032003.
- 868) [Hadronic mass moments in inclusive semileptonic B meson decays.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[hep-ex/0108033].
[10.1103/PhysRevLett.87.251808](https://doi.org/10.1103/PhysRevLett.87.251808).
Phys.Rev.Lett. 87 (2001) 251808.
- 869) [Branching fraction and photon energy spectrum for \$B \rightarrow s \gamma\$.](#)
By CLEO Collaboration (S. Chen et al.).
[hep-ex/0108032].
[10.1103/PhysRevLett.87.251807](https://doi.org/10.1103/PhysRevLett.87.251807).
Phys.Rev.Lett. 87 (2001) 251807.
- 870) [Evidence for the decay \$D0 \rightarrow K^* \pi^- \pi^+ \pi^-\$.](#)
By CLEO Collaboration (S.A. Dytman et al.).
[hep-ex/0108024].
[10.1103/PhysRevD.64.111101](https://doi.org/10.1103/PhysRevD.64.111101).
Phys.Rev. D64 (2001) 111101.
- 871) [First measurement of \$\Gamma\(D^{*+}\)\$.](#)
By CLEO Collaboration (S. Ahmed et al.).
[hep-ex/0108013].
[10.1103/PhysRevLett.87.251801](https://doi.org/10.1103/PhysRevLett.87.251801).
Phys.Rev.Lett. 87 (2001) 251801.
- 872) [Measurement of the \$\Xi\(c\)^+\$ lifetime.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0107040].
- 873) [Search for the decay \$\Upsilon\(1s\) \rightarrow \gamma \eta'\$.](#)
By CLEO Collaboration (S.J. Richichi et al.).
[hep-ex/0107021].
[10.1103/PhysRevLett.87.141801](https://doi.org/10.1103/PhysRevLett.87.141801).
Phys.Rev.Lett. 87 (2001) 141801.
- 874) [Improved upper limits on the FCNC decays \$B \rightarrow K \ell^+ \ell^-\$ and \$B \rightarrow K^*\(892\) \ell^+ \ell^-\$.](#)
By CLEO Collaboration (S. Anderson et al.).
[hep-ex/0106060].
[10.1103/PhysRevLett.87.181803](https://doi.org/10.1103/PhysRevLett.87.181803).
Phys.Rev.Lett. 87 (2001) 181803.
- 875) [Search for the familon via \$B^+ \rightarrow \pi^+ X0\$, \$B^+ \rightarrow K^+ X0\$, and \$B0 \rightarrow K0\(S\)X0\$ decays.](#)
By CLEO Collaboration (R. Ammar et al.).
[hep-ex/0106038].
[10.1103/PhysRevLett.87.271801](https://doi.org/10.1103/PhysRevLett.87.271801).
Phys.Rev.Lett. 87 (2001) 271801.
- 876) [Physics at a \$10^{36}\$ asymmetric B factory.](#)
By P Burchat et al..

eConf C010630 (2001) E214. Proceedings, APS / DPF / DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass.

*876a) “*CLEO-c & CESR-c: A New Frontier in Weak and Strong Interactions*” CLEO-c/CESR-c Taskforces & CLEO-c Collaboration, Cornell LEPP CLNS 01/1742 (2001). (unpublished)

877) [First observation of anti-B0 ---> D*0 pi+ pi+ pi- pi- decays.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[hep-ex/0105071].

[10.1103/PhysRevD.65.012002.](#)

Phys.Rev. D65 (2002) 012002.

878) [Rate measurement of D0 ---> K+ pi- pi0 and constraints on D0 - anti-D0 mixing.](#)

By CLEO Collaboration (G. Brandenburg et al.).

[hep-ex/0105002].

[10.1103/PhysRevLett.87.071802.](#)

Phys.Rev.Lett. 87 (2001) 071802.

879) [Experimental investigation of the two photon widths of the chi\(c0\) and the chi\(c2\) mesons.](#)

By CLEO Collaboration (Bob I. Eisenstein et al.).

[hep-ex/0104042].

[10.1103/PhysRevLett.87.061801.](#)

Phys.Rev.Lett. 87 (2001) 061801.

880) [Search for CP violation in tau ---> pi pi0 nu\(tau\) decay.](#)

By CLEO Collaboration (P. Avery et al.).

[hep-ex/0104009].

[10.1103/PhysRevD.64.092005.](#)

Phys.Rev. D64 (2001) 092005.

881) [Search for \$B^0 \rightarrow \pi^0 \pi^0\$ decay.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/0103040].

[10.1103/PhysRevD.65.031103.](#)

Phys.Rev. D65 (2002) 031103.

882) [First observation of anti-B ---> D\(*\) rho-prime-, rho-prime- ---> omega pi-.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[hep-ex/0103021].

[10.1103/PhysRevD.64.092001.](#)

Phys.Rev. D64 (2001) 092001.

883) [First measurement of Gamma \(D*+\).](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/0102007].

884) [Mixing and CP violation in the decay of neutral D mesons at CLEO.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).

[hep-ex/0102006].

885) [Search for the decay B+ ---> D*+ K0\(S\).](#)

By CLEO Collaboration (A. Gritsan et al.).

[hep-ex/0105086].

[10.1103/PhysRevD.64.077501.](#)

Phys.Rev. D64 (2001) 077501.

886) [Correlated Lambda+\(c\) anti-Lambda-\(c\) production in e+ e- annihilations at s**\(1/2\) = 10.5-GeV.](#)

By CLEO Collaboration (A. Bornheim et al.).

[hep-ex/0101051].

[10.1103/PhysRevD.63.112003.](#)

Phys.Rev. D63 (2001) 112003.

887) [Observation of \$B \rightarrow \phi K\$ and \$B \rightarrow \phi K^*\$.](#)

By CLEO Collaboration (Roy A. Briere et al.).
[hep-ex/0101032].

[10.1103/PhysRevLett.86.3718.](#)

Phys.Rev.Lett. 86 (2001) 3718-3721.

888) [A Search for charmless \$B \rightarrow V V\$ decays.](#)

By CLEO Collaboration (R. Godang et al.).
[hep-ex/0101029].

[10.1103/PhysRevLett.88.021802.](#)

Phys.Rev.Lett. 88 (2002) 021802.

889) [Bounds on the CP asymmetry in like sign dileptons from \$B^0 \bar{B}^0\$ meson decays.](#)

By CLEO Collaboration (D.E. Jaffe et al.).
[hep-ex/0101006].

[10.1103/PhysRevLett.86.5000.](#)

Phys.Rev.Lett. 86 (2001) 5000-5003.

890) [Precision determination of \$V_{ub}\$ at an \$e^+ e^- B\$ factory.](#)

By Jik Lee, Ian Shipsey.
[hep-ex/0203015].

eConf C010630 (2001) E203.

891) [Report of Snowmass 2001 Working Group E2: Electron - positron colliders from the phi to the Z.](#)

By Zhen-guo Zhao et al.. [hep-ex/0201047]. eConf C010630 (2001) E2001. Proceedings, APS / DPF / DPB Summer Study on the Future of Particle Physics (Snowmass 2001), Snowmass.

892) [Form-factor ratio measurement in the decay \$\Lambda_c \rightarrow \Lambda e^+ \nu\$.](#)

By V. Pavlunin, I. Shipsey.

[10.1142/S0217751X01007352.](#)

Int.J.Mod.Phys. A16S1B (2001) 511-513.

893) [Search for CP violation in \$D^0 \rightarrow K^0 \{S\} \pi^0\$ and \$D^0 \rightarrow \pi^0 \pi^0\$ and \$D^0 \rightarrow K^0 \{S\} K^0 \{S\}\$ decays.](#)

By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/0012054].

[10.1103/PhysRevD.63.071101.](#)

Phys.Rev. D63 (2001) 071101.

894) [Evidence of new states decaying into \$\Xi'\$ \$\pi\$.](#)

By CLEO Collaboration (S.E. Csorna et al.).
[hep-ex/0012020].

[10.1103/PhysRevLett.86.4243.](#)

Phys.Rev.Lett. 86 (2001) 4243-4246.

895) [A Measurement of the decay asymmetry parameters in \$\Xi^0\(c\) \rightarrow \Xi^- \pi^+\$.](#)

By CLEO Collaboration (S. Chan et al.).
[hep-ex/0011073].

[10.1103/PhysRevD.63.111102.](#)

Phys.Rev. D63 (2001) 111102.

896) [Dalitz analysis of the decay \$D^0 \rightarrow K^- \pi^+ \pi^0\$.](#)

By CLEO Collaboration (S. Kopp et al.).
[hep-ex/0011065].

[10.1103/PhysRevD.63.092001.](#)

Phys.Rev. D63 (2001) 092001.

897) [Measurement of the \$\Lambda_c\$ lifetime.](#)

By CLEO Collaboration (A.H. Mahmood et al.).
[hep-ex/0011049].
[10.1103/PhysRevLett.86.2232](https://arxiv.org/abs/10.1103/PhysRevLett.86.2232).
Phys.Rev.Lett. 86 (2001) 2232-2236.

898) [Bounds on the CP asymmetry in \$B \rightarrow s \gamma\$ decays.](#)
By CLEO Collaboration (T.E. Coan et al.).
[hep-ex/0010075].
[10.1103/PhysRevLett.86.5661](https://arxiv.org/abs/10.1103/PhysRevLett.86.5661).
Phys.Rev.Lett. 86 (2001) 5661-5665.

899) [Search for a scalar bottom quark with mass 3.5-GeV - 4.5-GeV/c².](#)
By CLEO Collaboration (V. Savinov et al.).
[hep-ex/0010047].
[10.1103/PhysRevD.63.051101](https://arxiv.org/abs/10.1103/PhysRevD.63.051101).
Phys.Rev. D63 (2001) 051101.

900) [Study of \$B \rightarrow \psi\(2S\) K\$ and \$B \rightarrow \psi\(2S\) K^*\(892\)\$ decays.](#)
By CLEO Collaboration (S.J. Richichi et al.).
[hep-ex/0010036].
[10.1103/PhysRevD.63.031103](https://arxiv.org/abs/10.1103/PhysRevD.63.031103).
Phys.Rev. D63 (2001) 031103.

901) [Observation of the \$\Omega_c\(3900\)\$ charmed baryon at CLEO.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[hep-ex/0010035].
[10.1103/PhysRevLett.86.3730](https://arxiv.org/abs/10.1103/PhysRevLett.86.3730).
Phys.Rev.Lett. 86 (2001) 3730-3734.

902) [Study of tau decays to six pions and neutrino.](#)
By CLEO Collaboration (A. Anastassov et al.).
[hep-ex/0010025].
[10.1103/PhysRevLett.86.4467](https://arxiv.org/abs/10.1103/PhysRevLett.86.4467).
Phys.Rev.Lett. 86 (2001) 4467-4471.

903) [Observation of new states decaying into \$\Lambda_c^+ \pi^- \pi^+\$.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/0010080].
[10.1103/PhysRevLett.86.4479](https://arxiv.org/abs/10.1103/PhysRevLett.86.4479).
Phys.Rev.Lett. 86 (2001) 4479-4482.

904) [Study of \$\chi\(c1\)\$ and \$\chi\(c2\)\$ meson production in \$B\$ meson decays.](#)
By CLEO Collaboration (S. Chen et al.).
[hep-ex/0009044].
[10.1103/PhysRevD.63.031102](https://arxiv.org/abs/10.1103/PhysRevD.63.031102).
Phys.Rev. D63 (2001) 031102.

905) [Search for direct CP violation in cascade hyperon decay.](#)
By CLEO Collaboration (D.E. Jaffe et al.).
[hep-ex/0009037].

906) [First observation of the decays \$B^0 \rightarrow D^{*-} p \bar{p} \pi^+\$ and \$B^0 \rightarrow D^{*-} p \bar{n}\$.](#)
By CLEO Collaboration (S. Anderson et al.).
[hep-ex/0009011].
[10.1103/PhysRevLett.86.2732](https://arxiv.org/abs/10.1103/PhysRevLett.86.2732).
Phys.Rev.Lett. 86 (2001) 2732-2736.

907) [Observation of \$B \rightarrow K^+ \pi^0\$ and \$B \rightarrow K^0 \pi^0\$, and evidence for \$B \rightarrow \pi^+ \pi^-\$.](#)
By CLEO Collaboration (D. Cronin-Hennessy et al.).
[10.1103/PhysRevLett.85.515](https://arxiv.org/abs/10.1103/PhysRevLett.85.515).

Phys.Rev.Lett. 85 (2000) 515-519.

908) [Measurements of \$B \rightarrow D^{\(*\)}\(S\) + D^{\(*\)}\$ branching fractions.](#)

By CLEO Collaboration (S. Ahmed et al.).

[hep-ex/0008015].

[10.1103/PhysRevD.62.112003.](#)

Phys.Rev. D62 (2000) 112003.

909) [A Search for \$B \rightarrow \tau \nu\$.](#)

By CLEO Collaboration (T.E. Browder et al.).

[hep-ex/0007057].

[10.1103/PhysRevLett.86.2950.](#)

Phys.Rev.Lett. 86 (2001) 2950-2954.

1000) [Determination of the \$B \rightarrow D^* 1 \nu\$ decay width and \$|V_{cb}|\$.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[hep-ex/0007052].

1001) [Evidence of new states decaying into \$\Xi\$ -prime\(c\) \$\pi\$.](#)

By CLEO Collaboration (P. Avery et al.).

[hep-ex/0007050].

1002) [Observation of new states decaying into \$\Lambda\$ \(c\)+ \$\pi^- \pi^+\$.](#)

By CLEO Collaboration (P. Avery et al.).

[hep-ex/0007049].

1003) [Observation of the \$\Omega\$ 0\(c\) charmed baryon at CLEO.](#)

By CLEO Collaboration (S. Ahmed et al.).

[hep-ex/0007047].

Int.J.Mod.Phys. A16S1B (2001) 505-507.

1004) [Study of \$\(\chi\(c1\)\)\$ and \$\(\chi\(c2\)\)\$ meson production in \$B\$ meson decays.](#)

By CLEO Collaboration (G. Brandenburg et al.).

[hep-ex/0007046].

1005) [Search for decays of \$B^0\$ mesons into pairs of leptons: \$B^0 \rightarrow e^+ e^-\$, \$B^0 \rightarrow \mu^+ \mu^-\$ and \$B^0 \rightarrow e^\pm \mu^\pm\$.](#)

By CLEO Collaboration (T. Bergfeld et al.).

[hep-ex/0007042].

[10.1103/PhysRevD.62.091102.](#)

Phys.Rev. D62 (2000) 091102.

1006) [First observation of the \$\Sigma^{*+}\(c\)\$ baryon and a new measurement of the \$\Sigma^+\(c\)\$ mass.](#)

By CLEO Collaboration (R. Ammar et al.).

[hep-ex/0007041].

[10.1103/PhysRevLett.86.1167.](#)

Phys.Rev.Lett. 86 (2001) 1167-1170.

1007) [Study of \$B\$ decays to charmonium states \$B \rightarrow \eta\(c\) K\$ and \$B \rightarrow \chi\(c0\) K\$.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[hep-ex/0007012].

[10.1103/PhysRevLett.86.30.](#)

Phys.Rev.Lett. 86 (2001) 30-34.

1008) [Measurements of the mass, total width and two photon partial width of the \$\eta\(c\)\$ meson.](#)

By CLEO Collaboration (G. Brandenburg et al.).

[hep-ex/0006026].

[10.1103/PhysRevLett.85.3095.](#)

Phys.Rev.Lett. 85 (2000) 3095-3099.

1009) [B \$\rightarrow\$ D* pi+ pi- pi0, D\(*\) omega pi- and the observation of a wide 1- omega pi- enhancement at 1418-MeV.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/0006018]. Proceedings

30th International Conference on High-Energy Physics (ICHEP 2000).

1010) [Study of charmless hadronic B meson decays to pseudoscalar vector final states.](#)

By CLEO Collaboration (C.P. Jessop et al.).

[hep-ex/0006008].

[10.1103/PhysRevLett.85.2881.](#)

Phys.Rev.Lett. 85 (2000) 2881-2885.

1011) [Measurement of the relative branching fraction of upsilon\(4S\) to charged and neutral B meson pairs.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[hep-ex/0006002].

[10.1103/PhysRevLett.86.2737.](#)

Phys.Rev.Lett. 86 (2001) 2737-2741.

1012) [US CMS Silicon Tracker.](#)

By B. Flaugh et al.. FERMILAB-PROPOSAL-0919 (2000)

1013) [Precise measurement of b0 - anti-B0 mixing parameters at the upsilon\(4S\).](#)

By CLEO Collaboration (B.H. Behrens et al.).

[hep-ex/0005013].

[10.1016/S0370-2693\(00\)00990-4.](#) Phys.Lett. B490 (2000) 36-44.

1014) [Study of exclusive two-body B^0 meson decays to charmonium.](#)

By CLEO Collaboration (P. Avery et al.).

[hep-ex/0004032].

[10.1103/PhysRevD.62.051101.](#)

Phys.Rev. D62 (2000) 051101.

1015) [Measurements of charm fragmentation into D*+\(s\) and D+\(s\) in e+ e- annihilations at S**\(1/2\) = 10.5-GeV.](#)

By CLEO Collaboration (Roy A. Briere et al.).

[hep-ex/0004028].

[10.1103/PhysRevD.62.072003.](#)

Phys.Rev. D62 (2000) 072003.

1016) [Resonance structure of tau- \$\rightarrow\$ K- pi+ pi- nu\(tau\) decays.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/0004002].

[10.1103/PhysRevD.62.072006.](#)

Phys.Rev. D62 (2000) 072006.

1017) [Measurement of B\(Lambda+\(c\) \$\rightarrow\$ p K- pi+\).](#)

By CLEO Collaboration (D.E. Jaffe et al.).

[hep-ex/0004001].

[10.1103/PhysRevD.62.072005.](#)

Phys.Rev. D62 (2000) 072005.

1018) [Measurement of the product branching fraction b\(c \$\rightarrow\$ theta\(c\) X\) B\(theta\(c\) \$\rightarrow\$ Lambda X\).](#)

By CLEO Collaboration (R. Ammar et al.).

[hep-ex/0004033].

[10.1103/PhysRevD.62.092007.](#)

Phys.Rev. D62 (2000) 092007.

1019) [Search for CP violation in B^0 to J/psi K^0 and B^0 to psi_{2S} K^0 decays.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[hep-ex/0003004].

[10.1103/PhysRevLett.84.5940.](#)

Phys.Rev.Lett. 84 (2000) 5940.

1020) [Study of the decays \$B^0 \rightarrow D^{*+} \pi^- + D^{*-} \pi^+\$.](#)

By CLEO Collaboration (Elliot David Lipeles et al.).

[hep-ex/0002065].

[10.1103/PhysRevD.62.032005.](#)

Phys.Rev. D62 (2000) 032005.

1021) [Measurement of the \$B^0\$ and \$B^+\$ meson masses from \$B^0 \rightarrow \psi\(\psi'\)\$ \$K^0\(s\)\$ and \$B^+ \rightarrow \psi\(\psi'\)\$ \$K^+\$ decays.](#)

By CLEO Collaboration (S.E. Csorna et al.).

[hep-ex/0001013].

[10.1103/PhysRevD.61.111101.](#)

Phys.Rev. D61 (2000) 111101.

1022) [Study of two-body B decays to kaons and pions: Observation of \$B \rightarrow \pi^+ \pi^-\$, \$B \rightarrow K^+ \pi^0\$, and \$B \rightarrow K^0 \pi^0\$ decays.](#)

By CLEO Collaboration (D. Cronin-Hennessy et al.).

[hep-ex/0001010].

1023) [Measurement of charge asymmetries in charmless hadronic in b meson decays.](#)

By CLEO Collaboration (S. Chen et al.).

[hep-ex/0001009].

[10.1103/PhysRevLett.85.525.](#)

Phys.Rev.Lett. 85 (2000) 525-529.

1024) [Two-body B meson decays to eta and eta-prime: Observation of \$B \rightarrow \eta K^*\$.](#)

By CLEO Collaboration (S.J. Richichi et al.).

[hep-ex/9912059].

[10.1103/PhysRevLett.85.520.](#)

Phys.Rev.Lett. 85 (2000) 520-524.

1025) [Study of exclusive radiative B meson decays.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/9912057].

[10.1103/PhysRevLett.84.5283.](#)

Phys.Rev.Lett. 84 (2000) 5283-5287.

1026) [Search for \$D^0\$ - anti- \$D^0\$ mixing.](#)

By CLEO Collaboration (R. Godang et al.).

[hep-ex/0001060].

[10.1103/PhysRevLett.84.5038.](#)

Phys.Rev.Lett. 84 (2000) 5038-5042.

1027) [Search for the decay \$\text{anti-}B^0 \rightarrow D^{*0} \gamma\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/0001002].

[10.1103/PhysRevLett.84.4292.](#)

Phys.Rev.Lett. 84 (2000) 4292-4295.

1028) [Update of the search for the neutrinoless decay \$\tau \rightarrow \mu \gamma\$.](#)

By CLEO Collaboration (S. Ahmed et al.).

[hep-ex/9910060].

[10.1103/PhysRevD.61.071101.](#)

Phys.Rev. D61 (2000) 071101.

1029) [Hadronic structure in the decay \$\tau \rightarrow \pi^- \pi^0 \nu\(\tau\)\$.](#)

By CLEO Collaboration (S. Anderson et al.).

[hep-ex/9910046].

[10.1103/PhysRevD.61.112002](#).

Phys.Rev. D61 (2000) 112002.

1030) [Observation of radiative leptonic decay of the tau lepton.](#)

By CLEO Collaboration (T. Bergfeld et al.).

[hep-ex/9909050].

[10.1103/PhysRevLett.84.830](#).

Phys.Rev.Lett. 84 (2000) 830-834.

1031) [An aging study of a gas electron multiplier with micro-strip gas chamber readout.](#)

By J. Miyamoto, I.P.J. Shipsey.

[10.1109/23.775535](#).

IEEE Trans.Nucl.Sci. 46 (1999) 312-316.

1032) [Search for \$D^0\$ - anti- \$D^0\$ mixing.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/9908040].

1033) [Study of charmless hadronic B decays into the final states \$K \pi\$, \$\pi \pi\$, and \$K K\$, with the first observation of \$B \rightarrow \pi^+ \pi^-\$ and \$B \rightarrow K^0 \pi^0\$.](#)

By CLEO Collaboration (Y. Kwon et al.).

[hep-ex/9908039].

1034) [Structure functions in the decay \$\tau^+ \rightarrow \pi^+ \pi^0 \pi^0 \nu_\tau\$.](#)

By CLEO Collaboration (T.E. Browder et al.).

[hep-ex/9908030].

[10.1103/PhysRevD.61.052004](#).

Phys.Rev. D61 (2000) 052004.

1035) [Measurement of charge asymmetries in charmless hadronic \$B \rightarrow B^0\$ decay.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/9908029].

1036) [Update of the search for the neutrinoless decay \$\tau \rightarrow \mu \gamma\$.](#)

By CLEO Collaboration (A. Anastassov et al.).

[hep-ex/9908025].

1037) [Resonant structure of \$\tau \rightarrow 3 \pi \pi^0 \nu_\tau\$ and \$\tau \rightarrow \omega \pi \nu_\tau\$ decays.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[hep-ex/9908024].

[10.1103/PhysRevD.61.072003](#).

Phys.Rev. D61 (2000) 072003.

1038) [\$b \rightarrow s \gamma\$ branching fraction and CP asymmetry.](#)

By CLEO Collaboration (S. Ahmed et al.).

[hep-ex/9908022].

1039) [Two-body B meson decays to eta and eta-prime: Observation of \$B \rightarrow \eta K^*\$.](#)

By CLEO Collaboration (S.J. Richichi et al.).

[hep-ex/9908019].

1040) [Charmless hadronic B decays to exclusive final states with a \$K^*\$, rho, omega, or phi meson.](#)

By CLEO Collaboration (C.P. Jessop et al.).

[hep-ex/9908018].

1041) [First observation of the decay \$B \rightarrow J/\psi \phi K\$.](#)

By CLEO Collaboration (C.P. Jessop et al.).

[hep-ex/9908014].

[10.1103/PhysRevLett.84.1393](#).

Phys.Rev.Lett. 84 (2000) 1393.

1042) [Observation of a broad \$L = 1\$ \$c\$ anti- \$q\$ state in \$B^- \rightarrow D^{*+} \pi^- \pi^-\$ at CLEO.](#)

By CLEO Collaboration (S. Anderson et al.).

[hep-ex/9908009].

[10.1016/S0375-9474\(99\)00697-1.](#)

Nucl.Phys. A663 (2000) 647-650.

1043) [Charged track multiplicity in \$B\$ meson decay.](#)

By CLEO Collaboration (G. Brandenburg et al.).

[hep-ex/9907057].

[10.1103/PhysRevD.61.072002.](#)

Phys.Rev. D61 (2000) 072002.

1044) [Observation of radiative leptonic decay of the tau lepton.](#)

By CLEO Collaboration (T. Bergfeld et al.).

[hep-ex/9907056].

1045) [Rare decays of the eta-prime.](#)

By CLEO Collaboration (Roy A. Briere et al.).

[hep-ex/9907046].

[10.1103/PhysRevLett.84.26.](#)

Phys.Rev.Lett. 84 (2000) 26-30.

1046) [Limit on tau-neutrino mass from \$\tau^- \rightarrow \pi^- \pi^+ \pi^- \pi^0\$ tau-neutrino.](#)

By CLEO Collaboration (M. Athanas et al.).

[hep-ex/9906015].

[10.1103/PhysRevD.61.052002.](#)

Phys.Rev. D61 (2000) 052002.

1047) [Evidence of new states decaying into \$\Xi\(c\)^* \pi\$.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[hep-ex/9906013].

[10.1103/PhysRevLett.83.3390.](#)

Phys.Rev.Lett. 83 (1999) 3390-3393.

1048) [Measurement of \$B \rightarrow \rho\$ lepton neutrino decay and \$|V_{ub}|\$.](#)

By CLEO Collaboration (B.H. Behrens et al.).

[hep-ex/9905056].

[10.1103/PhysRevD.61.052001.](#)

Phys.Rev. D61 (2000) 052001.

1049) [An aging study by semi-conductive microstrip gas chambers.](#)

By E.K.E. Gerndt, B.A. Knapp, J. Miyamoto, I.P.J. Shipsey, Q. Zhang.

[10.1016/S0168-9002\(98\)00958-9.](#)

Nucl.Instrum.Meth. A422 (1999) 282-285.

1050) [Hadronic structure in the decay \$\tau^- \rightarrow \tau\$ -neutrino \$\pi^- \pi^0 \pi^0\$ and the sign of the tau-neutrino helicity.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/9902022].

[10.1103/PhysRevD.61.012002.](#)

Phys.Rev. D61 (2000) 012002.

1051) [Measurement of charm meson lifetimes.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[hep-ex/9902011].

[10.1103/PhysRevLett.82.4586.](#)

Phys.Rev.Lett. 82 (1999) 4586-4590.

1052) [Search for baryon and lepton number violating decays of the tau lepton.](#)

By CLEO Collaboration (R. Godang et al.).
[hep-ex/9902005].
[10.1103/PhysRevD.59.091303](https://arxiv.org/abs/10.1103/PhysRevD.59.091303).
Phys.Rev. D59 (1999) 091303.

1053) [An aging study of semiconductive microstrip gas chambers and a gas electron multiplier.](#)
By J. Miyamoto, I.P.J. Shipsey.
[10.1016/S0920-5632\(99\)00626-X](https://arxiv.org/abs/10.1016/S0920-5632(99)00626-X).
Nucl.Phys.Proc.Suppl. 78 (1999) 695-702.

1054) [The need for a second generation e+ e- B factory.](#)
By I. Shipsey, in Proceedings Weak interactions and neutrinos 1999 p566-574.

1055) [Design, performance and status of the CLEO III silicon detector.](#)
By J. Fast et al..
[10.1016/S0168-9002\(99\)00405-2](https://arxiv.org/abs/10.1016/S0168-9002(99)00405-2).
Nucl.Instrum.Meth. A435 (1999) 9-15.

1056) [Measurement of the B \$\rightarrow\$ D lepton neutrino branching fractions and form-factor.](#)
By CLEO Collaboration (John E. Bartelt et al.).
[hep-ex/9811042].
[10.1103/PhysRevLett.82.3746](https://arxiv.org/abs/10.1103/PhysRevLett.82.3746).
Phys.Rev.Lett. 82 (1999) 3746.

1057) [First observation of the decay B0 \$\rightarrow\$ D*+ D*-.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/9811027].
[10.1103/PhysRevLett.82.3020](https://arxiv.org/abs/10.1103/PhysRevLett.82.3020).
Phys.Rev.Lett. 82 (1999) 3020-3024.

1058) [Search for exclusive rare baryonic decays of B mesons.](#)
By CLEO Collaboration (T.E. Coan et al.).
[hep-ex/9810043].
[10.1103/PhysRevD.59.111101](https://arxiv.org/abs/10.1103/PhysRevD.59.111101).
Phys.Rev. D59 (1999) 111101.

1059) [Observation of two narrow states decaying into xi+\(c\) gamma and xi0\(c\) gamma.](#)
By CLEO Collaboration (C.P. Jessop et al.).
[hep-ex/9810036].
[10.1103/PhysRevLett.82.492](https://arxiv.org/abs/10.1103/PhysRevLett.82.492).
Phys.Rev.Lett. 82 (1999) 492-496.

1060) [Study of three prong hadronic tau decays with charged kaons.](#)
By CLEO Collaboration (S.J. Richichi et al.).
[hep-ex/9810026].
[10.1103/PhysRevD.60.112002](https://arxiv.org/abs/10.1103/PhysRevD.60.112002).
Phys.Rev. D60 (1999) 112002.

1061) [First observation of the decay tau- \$\rightarrow\$ K*- eta tau-neutrino.](#)
By CLEO Collaboration (M. Bishai et al.).
[hep-ex/9809012].
[10.1103/PhysRevLett.82.281](https://arxiv.org/abs/10.1103/PhysRevLett.82.281).
Phys.Rev.Lett. 82 (1999) 281-285.

1062) [Upsilon dipion transitions at energies near the upsilon\(4S\).](#)
By CLEO Collaboration (S. Glenn et al.).
[hep-ex/9808008].
[10.1103/PhysRevD.59.052003](https://arxiv.org/abs/10.1103/PhysRevD.59.052003).
Phys.Rev. D59 (1999) 052003.

- 1063) [First observation of \$\text{upsilon}\(1S\) \rightarrow \text{gamma pi pi}\$.](#)
By CLEO Collaboration (A. Anastassov et al.).
[hep-ex/9807031].
[10.1103/PhysRevLett.82.286](#).
Phys.Rev.Lett. 82 (1999) 286-290.
- 1064) [Further search for the two photon production of the glueball candidate \$f\(J\)\(2220\)\$.](#)
By CLEO Collaboration (M.S. Alam et al.).
[hep-ex/9805033].
[10.1103/PhysRevLett.81.3328](#).
Phys.Rev.Lett. 81 (1998) 3328-3332.
- 1065) [First search for CP violation in tau lepton decay.](#)
By CLEO Collaboration (S. Anderson et al.).
[hep-ex/9805027].
[10.1103/PhysRevLett.81.3823](#).
Phys.Rev.Lett. 81 (1998) 3823-3827.
- 1066) [Observation of high momentum eta-prime production in B decay.](#)
By CLEO Collaboration (T.E. Browder et al.).
[hep-ex/9804018].
[10.1103/PhysRevLett.81.1786](#).
Phys.Rev.Lett. 81 (1998) 1786-1790.
- 1067) [Radiative decay modes of the \$D_0\$ meson.](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/9803022].
[10.1103/PhysRevD.58.092001](#).
Phys.Rev. D58 (1998) 092001.
- 1068) [Observation of \$B^+ \rightarrow \text{omega} K^+\$ and search for related B decay modes.](#)
By CLEO Collaboration (T. Bergfeld et al.).
[hep-ex/9803018].
[10.1103/PhysRevLett.81.272](#).
Phys.Rev.Lett. 81 (1998) 272-276.
- 1069) [Measurement of the mass splittings between the b anti-b \$\text{Chi}\(b,j\)\(1P\)\$ states.](#)
By CLEO Collaboration (K.W. Edwards et al.).
[hep-ex/9803010].
[10.1103/PhysRevD.59.032003](#).
Phys.Rev. D59 (1999) 032003.
- 1070) [A Limit on the mass of the neutrino\(\$\tau\$ \).](#)
By CLEO Collaboration (R. Ammar et al.).
[hep-ex/9803031].
[10.1016/S0370-2693\(98\)00539-5](#).
Phys.Lett. B431 (1998) 209-218.
- 1071) [First observation of the Cabibbo suppressed decay \$B^+ \rightarrow \text{anti-}D_0 K^+\$.](#)
By CLEO Collaboration (M. Athanas et al.).
[hep-ex/9802023].
[10.1103/PhysRevLett.80.5493](#).
Phys.Rev.Lett. 80 (1998) 5493-5497.
- 1072) [Continuum charged \$D^*\$ spin alignment at \$S^{*\(1/2\)} = 10.5\text{-GeV}\$.](#)
By CLEO Collaboration (G. Brandenburg et al.).
[hep-ex/9802022].
[10.1103/PhysRevD.58.052003](#).
Phys.Rev. D58 (1998) 052003.

- 1073) [The Hadronic transitions Upsilon\(2S\) ---> Upsilon\(1S\).](#)
By CLEO Collaboration (J.P. Alexander et al.).
[hep-ex/9802024].
[10.1103/PhysRevD.58.052004.](#)
Phys.Rev. D58 (1998) 052004.
- 1074) [Two-body B meson decays to eta and eta-prime Observation of B ---> eta-prime K.](#)
By CLEO Collaboration (B.H. Behrens et al.).
[hep-ex/9801012].
[10.1103/PhysRevLett.80.3710.](#)
Phys.Rev.Lett. 80 (1998) 3710-3714.
- 1075) [Measurement of the branching ratios for the decays of D+\(s\) to eta pi+, eta-prime pi+, eta rho+, and eta-prime rho+.](#)
By CLEO Collaboration (C.P. Jessop et al.).
[hep-ex/9801010].
[10.1103/PhysRevD.58.052002.](#)
Phys.Rev. D58 (1998) 052002.
- 1076) [The CLEO-III silicon vertex detector.](#)
By CLEO Collaboration (M. Yurko et al.).
[10.1016/S0920-5632\(97\)00564-1.](#)
Nucl.Phys.Proc.Suppl. 61B (1998) 212-217.
- 1077) [The CLEO-III silicon tracker.](#)
By P. Skubic et al.. [10.1016/S0168-9002\(98\)00715-3.](#) Nucl.Instrum.Meth. A418 (1998) 40-51.
- 1078) [Measurement of Branching ratio \(D0 ---> K- pi+\) using partial reconstruction of anti-B ---> D*+ X lepton- anti-neutrino.](#)
By CLEO Collaboration (M. Artuso et al.).
[hep-ex/9712023].
[10.1103/PhysRevLett.80.3193.](#)
Phys.Rev.Lett. 80 (1998) 3193-3197.
- 1079) [Improved measurement of the pseudoscalar decay constant f\(D\(s\)\).](#)
By CLEO Collaboration (M. Chadha et al.).
[hep-ex/9712014].
[10.1103/PhysRevD.58.032002.](#)
Phys.Rev. D58 (1998) 032002.
- 1080) [New limits for neutrinoless tau decays.](#)
By CLEO Collaboration (D.W. Bliss et al.).
[hep-ex/9712010].
[10.1103/PhysRevD.57.5903.](#)
Phys.Rev. D57 (1998) 5903-5907.
- 1081) [Study of semileptonic decays of B mesons to charmed baryons.](#)
By CLEO Collaboration (G. Bonvicini et al.).
[hep-ex/9712008].
[10.1103/PhysRevD.57.6604.](#)
Phys.Rev. D57 (1998) 6604-6608.
- 1082) [Observation of the radiative decay D*+ ---> D+ gamma.](#)
By CLEO Collaboration (John E. Bartelt et al.).
[hep-ex/9711011].
[10.1103/PhysRevLett.80.3919.](#)
Phys.Rev.Lett. 80 (1998) 3919-3923.
- 1083) [Observation of exclusive two-body B decays to kaons and pions.](#)
By CLEO Collaboration (R. Godang et al.).

[hep-ex/9711010].

[10.1103/PhysRevLett.80.3456.](#)

Phys.Rev.Lett. 80 (1998) 3456-3460.

1084) [Flavor - specific inclusive B decays to charm.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/9710028].

[10.1103/PhysRevLett.80.1150.](#)

Phys.Rev.Lett. 80 (1998) 1150-1155.

1085) [Search for the decay \$b \rightarrow D\(2536\) + X\$.](#)

By CLEO Collaboration (M. Bishai et al.).

[hep-ex/9710023].

[10.1103/PhysRevD.57.3847.](#)

Phys.Rev. D57 (1998) 3847-3853.

1086) [Search for inclusive \$b \rightarrow s \ell \ell^+ \ell^-\$ lepton-.](#)

By CLEO Collaboration (S. Glenn et al.).

[hep-ex/9710003].

[10.1103/PhysRevLett.80.2289.](#)

Phys.Rev.Lett. 80 (1998) 2289-2293.

1087) [Measurement of the branching fractions of \$\lambda\(c\) \rightarrow p \text{ anti-K } n\$ \(pion\).](#)

By CLEO Collaboration (M.S. Alam et al.).

[hep-ex/9709012].

[10.1103/PhysRevD.57.4467.](#)

Phys.Rev. D57 (1998) 4467-4470.

1088) [Investigation of semileptonic B meson decay to P wave charm mesons.](#)

By CLEO Collaboration (A. Anastassov et al.).

[hep-ex/9708035].

[10.1103/PhysRevLett.80.4127.](#)

Phys.Rev.Lett. 80 (1998) 4127-4131.

1089) [Search for color suppressed B hadronic decay processes with CLEO.](#)

By CLEO Collaboration (B. Nemati et al.).

[hep-ex/9708033].

[10.1103/PhysRevD.57.5363.](#)

Phys.Rev. D57 (1998) 5363-5369.

1090) [Measurements of the meson - photon transition form-factors of light pseudoscalar mesons at large momentum transfer.](#)

By CLEO Collaboration (J. Gronberg et al.).

[hep-ex/9707031].

[10.1103/PhysRevD.57.33.](#)

Phys.Rev. D57 (1998) 33-54.

1091) [Search for the decay \$\tau \rightarrow 4 \pi - 3 \pi + \(\pi^0\) \tau\text{-neutrino}\$.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[hep-ex/9707029].

[10.1103/PhysRevD.56.R5297.](#)

Phys.Rev. D56 (1997) R5297-R5300.

1092) [Study of the decay \$\tau \rightarrow 2 \pi - \pi + 3 \pi^0 \tau\text{-neutrino}\$.](#)

By CLEO Collaboration (S. Anderson et al.).

[hep-ex/9707027].

[10.1103/PhysRevLett.79.3814.](#)

Phys.Rev.Lett. 79 (1997) 3814-3818.

1093) [A Measurement of the total cross-section for \$e^+ e^- \rightarrow \text{hadrons}\$ at \$s^{1/2} = 10.52\text{-GeV}\$.](#)

By CLEO Collaboration (R. Ammar et al.).
[hep-ex/9707018].

[10.1103/PhysRevD.57.1350.](#)

Phys.Rev. D57 (1998) 1350-1358.

1094) [First observation of tau \$\rightarrow\$ 3 pi eta tau-neutrino and tau \$\rightarrow\$ f1 pi tau-neutrino decays.](#)

By CLEO Collaboration (T. Bergfeld et al.).

[hep-ex/9706020].

[10.1103/PhysRevLett.79.2406.](#)

Phys.Rev.Lett. 79 (1997) 2406-2410.

1095) [A New measurement of b \$\rightarrow\$ D* pi branching fractions.](#)

By CLEO Collaboration (G. Brandenburg et al.).

[hep-ex/9706019].

[10.1103/PhysRevLett.80.2762.](#)

Phys.Rev.Lett. 80 (1998) 2762-2766.

1096) [A New upper limit on the decay eta \$\rightarrow\$ e+ e-.](#)

By CLEO Collaboration (T.E. Browder et al.).

[hep-ex/9706005].

[10.1103/PhysRevD.56.5359.](#)

Phys.Rev. D56 (1997) 5359-5365.

1097) [Topics in semileptonic B decay.](#)

By I. Shipsey.

Proceedings, Physics in Collision 1997 p65-80 Bristol, UK.

1098) [Determination of the Michel parameters and the tau-neutrino helicity in tau decay.](#)

By CLEO Collaboration (J.P. Alexander et al.).

[hep-ex/9705009].

[10.1103/PhysRevD.56.5320.](#)

Phys.Rev. D56 (1997) 5320-5329.

1099) [First observation of inclusive B decays to the charmed strange baryons Xi\(c\)0 and Xi\(c\)+.](#)

By CLEO Collaboration (B. Barish et al.).

[hep-ex/9705005].

[10.1103/PhysRevLett.79.3599.](#)

Phys.Rev.Lett. 79 (1997) 3599-3603.

1100) [Observation of the decay D\(s\)+ \$\rightarrow\$ omega pi+.](#)

By CLEO Collaboration (R. Balest et al.).

[hep-ex/9705006].

[10.1103/PhysRevLett.79.1436.](#)

Phys.Rev.Lett. 79 (1997) 1436-1440.

1101) [Measurement of the anti-B \$\rightarrow\$ D lepton anti-neutrino partial width and form-factor parameters.](#)

By CLEO Collaboration (M. Athanas et al.).

[hep-ex/9705019].

[10.1103/PhysRevLett.79.2208.](#)

Phys.Rev.Lett. 79 (1997) 2208-2212.

1102) [Search for the Decays B0 \$\rightarrow\$ D*+ D*-.](#)

By CLEO Collaboration (D.M. Asner et al.).

[hep-ex/9704014].

[10.1103/PhysRevLett.79.799.](#)

Phys.Rev.Lett. 79 (1997) 799-803.

1103) [Search for neutrinoless tau decays involving pi0 or eta mesons.](#)

By CLEO Collaboration (G. Bonvicini et al.).

[hep-ex/9704010].

[10.1103/PhysRevLett.79.1221.](#)

Phys.Rev.Lett. 79 (1997) 1221-1224.

1104) [Studies of the Cabibbo suppressed decays \$d^+ \rightarrow \pi^0 \ell^+ \nu\$ and \$d^+ \rightarrow \eta e^+ \nu\$.](#)

By CLEO Collaboration (John E. Bartelt et al.).

[hep-ex/9703013].

[10.1016/S0370-2693\(97\)00649-7.](#)

Phys.Lett. B405 (1997) 373-378.

1105) [Limit on the two photon production of the glueball candidate \$f\(J\) \(2220\)\$ at CLEO.](#)

By CLEO Collaboration (R. Godang et al.).

[hep-ex/9703009].

[10.1103/PhysRevLett.79.3829.](#)

Phys.Rev.Lett. 79 (1997) 3829-3833.

1106) [The Inclusive decays \$B \rightarrow D X\$ and \$B \rightarrow D^* X\$.](#)

By CLEO Collaboration (L. Gibbons et al.).

[hep-ex/9703006].

[10.1103/PhysRevD.56.3783.](#)

Phys.Rev. D56 (1997) 3783-3802.

1107) [Measurement of the decay amplitudes and branching fractions of \$B \rightarrow J/\psi K^*\$ and \$B \rightarrow J/\psi K\$ decays.](#)

By CLEO Collaboration (C.P. Jessop et al.).

[hep-ex/9702013].

[10.1103/PhysRevLett.79.4533.](#)

Phys.Rev.Lett. 79 (1997) 4533-4537.

1108) [Study of the \$B_0\$ semileptonic decay spectrum at the Upsilon \(4s\) resonance.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ex/9702007].

[10.1016/S0370-2693\(97\)00336-5.](#)

Phys.Lett. B399 (1997) 321-328.

1109) [Tau-neutrino helicity from \$h^+\$ energy correlations.](#)

By CLEO Collaboration (T.E. Coan et al.).

[hep-ex/9701012].

[10.1103/PhysRevD.55.7291.](#)

Phys.Rev. D55 (1997) 7291-7295.

1110) [Lambda anti-lambda production in two photon interactions at CLEO.](#)

By CLEO Collaboration (S. Anderson et al.).

[hep-ex/9701013].

[10.1103/PhysRevD.56.R2485.](#)

Phys.Rev. D56 (1997) R2485-R2489.

1111) [Analyses of \$D^+ \rightarrow K\(S\)^0 K^+\$ and \$D^+ \rightarrow K\(S\)^0 \pi^+\$.](#)

By CLEO Collaboration (M. Bishai et al.).

[hep-ex/9701008].

[10.1103/PhysRevLett.78.3261.](#)

Phys.Rev.Lett. 78 (1997) 3261-3265.

1112) [Study of gluon versus quark fragmentation in Upsilon \$\rightarrow g g \gamma\$ and \$e^+ e^- \rightarrow q \bar{q} \gamma\$ events at \$s^{1/2} = 10\text{-GeV}\$.](#)

By CLEO Collaboration (M.S. Alam et al.).

[hep-ex/9701006].

[10.1103/PhysRevD.56.17.](#)

Phys.Rev. D56 (1997) 17-22.

1113) [Micro strip gas chambers overcoated with carbon, hydrogenated amorphous silicon, and glass films.](#)
By M.R. Bishai, E.K.E. Gerndt, I.P.J. Shipsey, A.V. Bagulya, V.M. Grishin, M.A. Negodaev, V. Ligachev.
[10.1016/S0168-9002\(97\)00932-7.](#)
Nucl.Instrum.Meth. A400 (1997) 233-242.

*1113a) [The CLEO-III silicon tracker.](#)
By I. Shipsey et al..
[10.1016/S0168-9002\(97\)87397-4.](#)
Nucl.Instrum.Meth. A386 (1997) 37-45.

1114) [The design and performance of the silicon detectors for CLEO-III.](#)
By C.W. Ward et al..
[10.1109/23.603719.](#)
IEEE Trans.Nucl.Sci. 44 (1997) 606-609.

1115) [A Measurement of the Michel parameters in leptonic decays of the tau.](#)
By CLEO Collaboration (R. Ammar et al.).
[10.1103/PhysRevLett.78.4686.](#)
Phys.Rev.Lett. 78 (1997) 4686-4690.

1116) [Search for neutrinoless tau decays: tau ---> e gamma and tau ---> mu gamma.](#)
By CLEO Collaboration (K.W. Edwards et al.).
[10.1103/PhysRevD.55.3919.](#)
Phys.Rev. D55 (1997) 3919-3923.

1117) [Experimental test of lepton universality in tau decay.](#)
By CLEO Collaboration (A. Anastassov et al.).
[10.1103/PhysRevD.58.119904.](#), [10.1103/PhysRevD.55.2559.](#)
Phys.Rev. D55 (1997) 2559-2576, Erratum: Phys.Rev. D58 (1998) 119904.

1118) [Measurement of the direct photon spectrum in upsilon \(1s\) decays.](#)
By CLEO Collaboration (B. Nemati et al.).
[hep-ex/9611020].
[10.1103/PhysRevD.55.5273.](#)
Phys.Rev. D55 (1997) 5273-5281.

1119) [Search for B ---> mu anti-muon-neutrino gamma and B ---> e anti-electron-neutrino gamma.](#)
By CLEO Collaboration (T.E. Browder et al.).
[10.1103/PhysRevD.56.11.](#)
Phys.Rev. D56 (1997) 11-16.

1120) [Search for phi mesons in tau lepton decay.](#)
By CLEO Collaboration (P. Avery et al.).
[10.1103/PhysRevD.55.R1119.](#)
Phys.Rev. D55 (1997) R1119-R1123.

1121) [A Search for nonresonant B+ ---> h+ h- h+ decays.](#)
By CLEO Collaboration (T. Bergfeld et al.).
[10.1103/PhysRevLett.77.4503.](#)
Phys.Rev.Lett. 77 (1996) 4503-4507.

1122) [Observation of two excited charmed baryons decaying into Lambda\(c\)+ pi+-.](#)
By CLEO Collaboration (G. Brandenburg et al.).
[10.1103/PhysRevLett.78.2304.](#)
Phys.Rev.Lett. 78 (1997) 2304-2308.

1123) [Glass micro strip gas chambers passivated by carbon, amorphous silicon, and glass films.](#)
By E.K.E. Gerndt, B.A. Knapp, I.P.J. Shipsey, V.M. Grishin, P. Geltenbort.
Proceedings 9th Annual Divisional Meeting (DPF 96) of Conference: [C96-08-11.1](#), p.1379-1381

- 1124) [Aging and properties of a Moscow glass micro strip chamber.](#)
By E.K.E. Gerndt, B.A. Knapp, I.P.J. Shipsey, P. Geltenbort.
Proceedings 9th Annual Divisional Meeting (DPF 96) of Conference: [C96-08-11.1](#), p.1376-1378
- 1125) [The mechanical design of the silicon vertex detector for CLEO III.](#)
By N. Menon et al.. Proceedings 9th Annual Divisional Meeting (DPF 96) of Conference: [C96-08-11.1](#), p.1333-1336
- 1126) [First measurement of the \$\Xi/c0\$ decay asymmetry parameter in \$\Xi/c0 \rightarrow \Xi^- \pi^+\$.](#)
Proceedings 9th Annual Divisional Meeting (DPF 96) of Conference: [C96-08-11.1](#), p.884-886By CLEO Collaboration (M.R. Bishai et al.).
- 1127) [First measurement of the \$B \rightarrow \pi\$ lepton neutrino and \$B \rightarrow \rho\(\omega\)\$ lepton neutrino branching fractions.](#)
By CLEO Collaboration (J.P. Alexander et al.).
[10.1103/PhysRevLett.77.5000](#).
Phys.Rev.Lett. 77 (1996) 5000-5004.
- 1128) [Observation of exclusive B decays to final states containing a charmed baryon.](#)
By CLEO Collaboration (X. Fu et al.).
[10.1103/PhysRevLett.79.3125](#).
Phys.Rev.Lett. 79 (1997) 3125-3129.
- 1129) [Measurement of the tau lepton lifetime.](#)
By CLEO Collaboration (R. Balest et al.).
[10.1016/S0370-2693\(96\)01163-X](#). Phys.Lett. B388 (1996) 402-408.
- 1130) [Study of flavor tagged baryon production in B decay.](#)
By CLEO Collaboration (R. Ammar et al.).
[10.1103/PhysRevD.55.13](#).
Phys.Rev. D55 (1997) 13-18.
- 1131) [Observation of an excited charmed baryon decaying into \$\Xi\(c\)0 \pi^+\$.](#)
By CLEO Collaboration (L. Gibbons et al.).
[10.1103/PhysRevLett.77.810](#).
Phys.Rev.Lett. 77 (1996) 810-813.
- 1132) [Measurement of the branching fraction for \$D\(s\)^- \rightarrow \phi \pi^-\$.](#)
By CLEO Collaboration (M. Artuso et al.).
[10.1016/0370-2693\(96\)00503-5](#).
Phys.Lett. B378 (1996) 364-372.
- 1133) [First observation of the decay \$\tau^- \rightarrow K^- \eta \tau\$ -neutrino.](#)
By CLEO Collaboration (John E. Bartelt et al.).
[10.1103/PhysRevLett.76.4119](#).
Phys.Rev.Lett. 76 (1996) 4119-4123.
- 1134) [Decays of tau leptons to final states containing \$K\(s\)0\$ mesons.](#)
By CLEO Collaboration (T.E. Coan et al.).
[10.1103/PhysRevD.53.6037](#).
Phys.Rev. D53 (1996) 6037-6053.
- 1135) [Limits on flavor changing neutral currents in \$D0\$ meson decays.](#)
By CLEO Collaboration (A. Freyberger et al.).
[10.1103/PhysRevLett.76.3065](#).
Phys.Rev.Lett. 76 (1996) 3065-3069, Erratum: Phys.Rev.Lett. 77 (1996) 2147.
- 1136) [Low noise electronics for the CLEO-III silicon detector.](#)
By H. Kagan et al..
[10.1016/S0168-9002\(96\)00693-6](#).

Nucl.Instrum.Meth. A383 (1996) 189-192.

1137) [Analysis of \$D^0 \rightarrow K \text{ anti-K } X\$ decays.](#)

By CLEO Collaboration (D.M. Asner et al.).

[10.1103/PhysRevD.54.4211.](#)

Phys.Rev. D54 (1996) 4211-4220.

1138) [A Measurement of \$B\(D^0 \rightarrow K^- \pi^+ \pi^0\) / B\(D^0 \rightarrow K^- \pi^+\)\$.](#)

By CLEO Collaboration (B. Barish et al.).

[10.1016/0370-2693\(96\)00159-1.](#)

Phys.Lett. B373 (1996) 334-338.

1139) [Study of \$B \rightarrow \psi \rho\$.](#)

By CLEO Collaboration (M. Bishai et al.).

[10.1016/0370-2693\(95\)01585-X.](#)

Phys.Lett. B369 (1996) 186-192.

1140) [Measurement of the form-factors for \$\text{anti-B}^0 \rightarrow D^{*+} \text{ lepton- anti-neutrino}\$.](#)

By CLEO Collaboration (J.E. Duboscq et al.).

[10.1103/PhysRevLett.76.3898.](#)

Phys.Rev.Lett. 76 (1996) 3898-3902.

1141) [Tau decays into three charged leptons and two neutrinos.](#)

By CLEO Collaboration (M.S. Alam et al.).

[10.1103/PhysRevLett.76.2637.](#)

Phys.Rev.Lett. 76 (1996) 2637-2641.

1142) [Measurements of \$B \rightarrow D\(s\)^+ X\$ decays.](#)

By CLEO Collaboration (D. Gibaut et al.).

[10.1103/PhysRevD.53.4734.](#)

Phys.Rev. D53 (1996) 4734-4746.

1143) [Measurements of the B semileptonic branching fraction with lepton tags.](#)

By CLEO Collaboration (B. Barish et al.).

[10.1103/PhysRevLett.76.1570.](#)

Phys.Rev.Lett. 76 (1996) 1570-1574.

1144) [Measurements of the decays \$\tau \rightarrow h^- h^+ h^- \tau\text{-neutrino}\$ and \$\tau \rightarrow h^- h^+ h^- \pi^0 \tau\text{-neutrino}\$.](#)

By CLEO Collaboration (R. Balest et al.).

[10.1103/PhysRevLett.75.3809.](#)

Phys.Rev.Lett. 75 (1995) 3809-3813.

1145) [Observation of new decay modes of the charmed strange baryon \$\Xi\(c\)^+\$.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[10.1016/0370-2693\(96\)00111-6.](#)

Phys.Lett. B373 (1996) 261-266.

1146) [Measurements of the inclusive semielectronic \$D^0\$ branching fraction.](#)

By CLEO Collaboration (Y. Kubota et al.).

[hep-ex/9511014].

[10.1103/PhysRevD.54.2994.](#)

Phys.Rev. D54 (1996) 2994-3005.

1147) [The Inclusive decay \$B \rightarrow \eta X\$.](#)

By CLEO Collaboration (Y. Kubota et al.).

[10.1103/PhysRevD.53.6033.](#)

Phys.Rev. D53 (1996) 6033-6036.

1148) [Measurements of the ratios \$B\(D\(s\)^+ \rightarrow \eta \text{ lepton}^+ \text{ neutrino}\) / B\(D\(s\)^+ \rightarrow \phi \text{ lepton}^+ \text{ neutrino}\)\$ and \$B\(D\(s\)^+ \rightarrow \eta\text{-prime lepton}^+ \text{ neutrino}\) / B\(D\(s\)^+ \rightarrow \phi \text{ lepton}^+ \text{ neutrino}\)\$.](#)

By CLEO Collaboration (G. Brandenburg et al.).
[hep-ex/9508009].
[10.1103/PhysRevLett.75.3804](https://doi.org/10.1103/PhysRevLett.75.3804).
Phys.Rev.Lett. 75 (1995) 3804-3808.

1149) [Observation of the Cabibbo suppressed charmed baryon decay \$\lambda\(c\)^+ \rightarrow p \phi\$.](#)
By CLEO Collaboration (J.P. Alexander et al.).
[hep-ex/9508005].
[10.1103/PhysRevD.53.1013](https://doi.org/10.1103/PhysRevD.53.1013).
Phys.Rev. D53 (1996) 1013-1017.

1150) [Search for exclusive charmless hadronic B decays.](#)
By CLEO Collaboration (D.M. Asner et al.).
[hep-ex/9508004].
[10.1103/PhysRevD.53.1039](https://doi.org/10.1103/PhysRevD.53.1039).
Phys.Rev. D53 (1996) 1039-1050.

1151) [Observation of the isospin violating decay \$D\(s\)^*+ \rightarrow D\(s\)+ \pi^0\$.](#)
By CLEO Collaboration (J. Gronberg et al.).
[hep-ex/9508001].
[10.1103/PhysRevLett.75.3232](https://doi.org/10.1103/PhysRevLett.75.3232).
Phys.Rev.Lett. 75 (1995) 3232-3236.

1152) [Observation of the \$\Xi\(c\)^+\$ charmed baryon decays to \$\Sigma^+ K^- \pi^+\$, \$\Sigma^+ \text{anti-}K^0\$, and \$\Lambda K^- \pi^+ \pi^+\$.](#)
By CLEO Collaboration (T. Bergfeld et al.).
[hep-ex/9508006].
[10.1016/0370-2693\(95\)01432-2](https://doi.org/10.1016/0370-2693(95)01432-2).
Phys.Lett. B365 (1996) 431-436.

1153) [Observation of a narrow state decaying into \$\Xi\(c\)^+ \pi^-\$.](#)
By CLEO Collaboration (P. Avery et al.).
[hep-ex/9508010].
[10.1103/PhysRevLett.75.4364](https://doi.org/10.1103/PhysRevLett.75.4364).
Phys.Rev.Lett. 75 (1995) 4364-4368.

1154) [Measurement of \$\alpha_s\$ from tau decays.](#)
By CLEO Collaboration (T. Coan et al.).
[10.1016/0370-2693\(95\)00824-5](https://doi.org/10.1016/0370-2693(95)00824-5).
Phys.Lett. B356 (1995) 580-588.

1155) [Search for CP violation in \$D^0\$ decay.](#)
By CLEO Collaboration (John E. Bartelt et al.).
[10.1103/PhysRevD.52.4860](https://doi.org/10.1103/PhysRevD.52.4860).
Phys.Rev. D52 (1995) 4860-4867.

1156) [Measurement of the ratio of branching fractions \$B\(D^0 \rightarrow \pi^- e^+ \text{electron-neutrino}\) / B\(D^0 \rightarrow K^- e^+ \text{electron-neutrino}\)\$.](#)
By CLEO Collaboration (F. Butler et al.).
[10.1103/PhysRevD.52.2656](https://doi.org/10.1103/PhysRevD.52.2656).
Phys.Rev. D52 (1995) 2656-2660.

1157) [A Study of jet production rates in the four flavor continuum and a test of QCD.](#)
By CLEO Collaboration (L. Gibbons et al.).

1158) [A Search for \$B \rightarrow \text{lepton anti-lepton-neutrino}\$.](#)
By CLEO Collaboration (M. Artuso et al.).
[10.1103/PhysRevLett.75.785](https://doi.org/10.1103/PhysRevLett.75.785).
Phys.Rev.Lett. 75 (1995) 785-789.

1159) [Measurement of the decay asymmetry parameters in \$\Lambda\(c\)^+ \rightarrow \Lambda \pi^+\$ and \$\Lambda\(c\)^+ \rightarrow \Sigma^+ \pi^0\$.](#)

By CLEO Collaboration (M. Bishai et al.).

[hep-ex/9502004].

[10.1016/0370-2693\(95\)00280-X](#).

Phys.Lett. B350 (1995) 256-262.

1160) [Form-factor ratio measurement in \$\Lambda\(c\)^+ \rightarrow \Lambda e^+ \text{electron-neutrino}\$.](#)

By CLEO Collaboration (Glen D. Crawford et al.).

[10.1103/PhysRevLett.75.624](#).

Phys.Rev.Lett. 75 (1995) 624-628.

1161) [New decay modes of the \$\Lambda\(c\)^+\$ charm baryon.](#)

By CLEO Collaboration (R. Ammar et al.).

[10.1103/PhysRevLett.74.3534](#).

Phys.Rev.Lett. 74 (1995) 3534-3537.

1162) [Performance of microstrip gas chambers passivated by thin semiconducting glass and plastic films.](#)

By M.R. Bishai, E.K.E. Gerndt, I.P.J. Shipsey, P.N. Wang, A.V. Bagulya, V.M. Grishin, M.A. Negodaev, P. Geltenbort.

[10.1016/0168-9002\(95\)00433-5](#).

Nucl.Instrum.Meth. A365 (1995) 54-58.

1163) [First measurement of the rate for the inclusive radiative penguin decay \$B \rightarrow s \gamma\$.](#)

By CLEO Collaboration (M.S. Alam et al.).

[10.1103/PhysRevLett.74.2885](#). Phys.Rev.Lett. 74 (1995) 2885-2889.

1164) [Inclusive decays of \$B\$ mesons to charmonium.](#)

By CLEO Collaboration (R. Balest et al.).

[10.1103/PhysRevD.52.2661](#).

Phys.Rev. D52 (1995) 2661-2672.

1165) [Observation of excited baryon states decaying to \$\Lambda\(c\)^+ \pi^+ \pi^-\$.](#)

By CLEO Collaboration (K.W. Edwards et al.).

[10.1103/PhysRevLett.74.3331](#).

Phys.Rev.Lett. 74 (1995) 3331-3335.

1166) [Plastic microstrip gas chambers with two sided readout.](#)

By M.R. Bishai, E.K.E. Gerndt, I.P.J. Shipsey, P.N. Wang. Proceedings of the Second International Workshop on Microstrip Gas Chambers, INFN Legnaro, Italy, October 13-14, 1994

1167) [Observation of \$D1^+ \(2420\)\$ and \$D2^{*+} \(2460\)\$.](#)

By CLEO Collaboration (T. Bergfeld et al.).

[10.1016/0370-2693\(94\)01348-9](#).

Phys.Lett. B340 (1994) 194-204.

1168) [Measurement of the branching fraction for \$Upsilon\(1S\) \rightarrow \tau^+ \tau^-\$.](#)

By CLEO Collaboration (D. Cinabro et al.).

[hep-ex/9409004].

[10.1016/0370-2693\(94\)91309-9](#).

Phys.Lett. B340 (1994) 129-134.

1169) [Performance of microstrip gas chambers passivated by thin semiconducting glass and plastic films.](#)

By M.R. Bishai, E.K.E. Gerndt, I.P.J. Shipsey, P.N. Wang, A.V. Bagulya, V.M. Grishin, M.A. Negodaev, P. Geltenbort. In Glasgow 1994, Proceedings, High energy physics, vol. 2 1119-1123

1170) [\$Upsilon\(1s\) \rightarrow \gamma + \text{noninteracting particles}\$.](#)

By CLEO Collaboration (R. Balest et al.).

[10.1103/PhysRevD.51.2053](#).

Phys.Rev. D51 (1995) 2053-2060.

1171) [Performance of microstrip gas chambers passivated by thin semiconducting glass and polyimide films.](#)
By M.R. Bishai, E.K.E. Gerndt, I.P.J. Shipsey, P.N. Wang, A.V. Bagulya, V.M. Grishin, M.A. Negodaev, P. Geltenbort. In Glasgow 1994, Proceedings, High energy physics, vol. 2 1151-1153,

1172) [Observation of \$B \rightarrow \psi \pi\$ decays.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1016/0370-2693\(95\)80026-T](#), [10.1016/0370-2693\(95\)00147-D](#), [10.1016/0370-2693\(94\)01481-Q](#).

Phys.Lett. B341 (1995) 435-440, Erratum: Phys.Lett. B347 (1995) 469.

1173) [Measurement of the ratios of form-factors in the decay \$D\(s\)^+ \rightarrow \psi e^+ \text{electron-neutrino}\$.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1016/0370-2693\(94\)90994-6](#).

Phys.Lett. B337 (1994) 405-410.

1174) [First observation of \$\Xi\(c\)^+ \rightarrow \Xi^0 e^+ \text{electron-neutrino}\$ and a measurement of the \$\Xi\(c\)^+ / \Xi\(c\)^0\$ lifetime ratio.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1103/PhysRevLett.74.3113](#).

Phys.Rev.Lett. 74 (1995) 3113-3117, Erratum: Phys.Rev.Lett. 75 (1995) 4155.

1175) [Measurement of the branching ratio for \$Upsilon\(1S\) \rightarrow \tau^+ \tau^-\$.](#)

By CLEO Collaboration (D. Cinabro et al.). CLEO-CONF-94-27, C94-07-20

in Proceedings of the International Conference on High Energy Physics, Glasgow, 1994: p.1117-1120

1176) [Evidence for exclusive \$B\$ decays to final states containing a charmed baryon.](#)

By CLEO Collaboration (Y. Kubota et al.).

[10.1080/01422419608223784](#).

Surveys High Energy Physics. 9 (1996) 315-320.

1177) [Measurement of the anti- \$B \rightarrow D^* \text{lepton anti-neutrino}\$ branching fractions and \$|V\(cb\)|\$.](#)

By CLEO Collaboration (B. Barish et al.).

[hep-ex/9406005].

[10.1103/PhysRevD.51.1014](#).

Phys.Rev. D51 (1995) 1014-1033.

1178) [Semileptonic branching fractions of charged and neutral \$B\$ mesons.](#)

By CLEO Collaboration (M. Athanas et al.).

[hep-ex/9406004].

[10.1103/PhysRevLett.73.3503](#).

Phys.Rev.Lett. 73 (1994) 3503-3507, Erratum: Phys.Rev.Lett. 74 (1995) 3090.

1179) [Search for neutrinoless decays of the tau lepton.](#)

By CLEO Collaboration (John E. Bartelt et al.).

[10.1103/PhysRevLett.73.1890](#).

Phys.Rev.Lett. 73 (1994) 1890-1894.

1180) [A Measurement of the branching fraction \$\mathcal{B}\(\tau^+ \rightarrow h^+ \pi^0 \nu_{\tau}\)\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[hep-ph/9404310].

[10.1103/PhysRevLett.72.3762](#).

Phys.Rev.Lett. 72 (1994) 3762-3766.

1181) [Study of the five charged pion decay of the tau lepton.](#)

By CLEO Collaboration (D. Gibaut et al.).

[10.1103/PhysRevLett.73.934](#).

Phys.Rev.Lett. 73 (1994) 934-938.

1182) [Production and decay of \$D_s^-\(2420\)^0\$ and \$D_s^{*-\(2460\)^0\$.](#)

By CLEO Collaboration (P. Avery et al.).
[hep-ph/9403359].
[10.1016/0370-2693\(94\)90968-7](https://arxiv.org/abs/10.1016/0370-2693(94)90968-7), [10.1016/0370-2693\(94\)01498-2](https://arxiv.org/abs/10.1016/0370-2693(94)01498-2).
Phys.Lett. B331 (1994) 236-244, Erratum: Phys.Lett. B342 (1995) 453-453.

1183) [Two photon production of charged pion and kaon pairs.](#)
By CLEO Collaboration (J. Dominick et al.).
[hep-ph/9403379].
[10.1103/PhysRevD.50.3027](https://arxiv.org/abs/10.1103/PhysRevD.50.3027).
Phys.Rev. D50 (1994) 3027-3037.

1184) [Exclusive hadronic B decays to charm and charmonium final states.](#)
By CLEO Collaboration (M.S. Alam et al.).
[hep-ph/9403295].
[10.1103/PhysRevD.50.43](https://arxiv.org/abs/10.1103/PhysRevD.50.43).
Phys.Rev. D50 (1994) 43-68.

1185) [Precision measurement of the \$D\(s\)^+ - D\(s\)^+\$ mass difference.](#)
By CLEO Collaboration (David Norvil Brown et al.).
[hep-ph/9403327].
[10.1103/PhysRevD.50.1884](https://arxiv.org/abs/10.1103/PhysRevD.50.1884).
Phys.Rev. D50 (1994) 1884-1891.

1186) [Measurement of Cabibbo suppressed decays of the tau lepton.](#)
By CLEO Collaboration (M. Battle et al.).
[hep-ph/9403329].
[10.1103/PhysRevLett.73.1079](https://arxiv.org/abs/10.1103/PhysRevLett.73.1079).
Phys.Rev.Lett. 73 (1994) 1079-1083.

1187) [Gas microstrip detectors on resistive plastic substrates.](#)
By M.S. Dixit et al..
[10.1016/0168-9002\(94\)90763-3](https://arxiv.org/abs/10.1016/0168-9002(94)90763-3).
Nucl.Instrum.Meth. A348 (1994) 365-371.

1188) [A Measurement of \$B\(D\(s\)^+ \rightarrow \text{phi lepton}^+ \text{ neutrino}\) / b\(D\(s\)^+ \rightarrow \text{phi pi}^+\)\$.](#)
By CLEO Collaboration (F. Butler et al.).
[hep-ph/9403328].
[10.1016/0370-2693\(94\)90416-2](https://arxiv.org/abs/10.1016/0370-2693(94)90416-2).
Phys.Lett. B324 (1994) 255-262.

1189) [Study of the decay \$\text{lambda}\(c\)^+ \rightarrow \text{Lambda lepton}^+ \text{ lepton-neutrino}\$.](#)
By CLEO Collaboration (T. Bergfeld et al.).
[hep-ph/9403326].
[10.1016/0370-2693\(94\)90295-X](https://arxiv.org/abs/10.1016/0370-2693(94)90295-X).
Phys.Lett. B323 (1994) 219-226.

1190) [Measurement of the branching fraction for \$D^+ \rightarrow K^- \text{ pi}^+ \text{ pi}^+\$.](#)
By CLEO Collaboration (R. Balest et al.).
[hep-ph/9403382].
[10.1103/PhysRevLett.72.2328](https://arxiv.org/abs/10.1103/PhysRevLett.72.2328).
Phys.Rev.Lett. 72 (1994) 2328-2331.

1191) [Luminosity measurement with the CLEO-II detector.](#)
By CLEO Collaboration (Glen D. Crawford et al.).
[10.1016/0168-9002\(94\)90494-4](https://arxiv.org/abs/10.1016/0168-9002(94)90494-4).
Nucl.Instrum.Meth. A345 (1994) 429-439.

1192) [Observation of a new charmed strange meson.](#)
By CLEO Collaboration (Y. Kubota et al.).
[hep-ph/9403325].

[10.1103/PhysRevLett.72.1972.](#)

Phys.Rev.Lett. 72 (1994) 1972-1976.

1193) [Observation of \$D^0 \rightarrow K^+ \pi^-\$.](#)

By CLEO Collaboration (D. Cinabro et al.).

[10.1103/PhysRevLett.72.1406.](#)

Phys.Rev.Lett. 72 (1994) 1406-1410.

1194) [Observation of inclusive B decays to the charmed baryons \$\Sigma\(c\)^{++}\$ and \$\Sigma\(c\)^0\$.](#)

By CLEO Collaboration (M. Procaro et al.).

[10.1103/PhysRevLett.73.1472.](#)

Phys.Rev.Lett. 73 (1994) 1472-1476.

1195) [Search for \$B^0\$ decays to two charged leptons.](#)

By CLEO Collaboration (R. Ammar et al.).

[10.1103/PhysRevD.49.5701.](#)

Phys.Rev. D49 (1994) 5701-5704.

1196) [Search for exclusive \$b \rightarrow u\$ transitions in hadronic decays of B mesons involving \$D\(s\)^+\$ and \$D\(s\)^*+\$ mesons.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1016/0370-2693\(93\)90827-5.](#)

Phys.Lett. B319 (1993) 365-372.

1197) [Observation of \$\Lambda\(c\)^+\$ decays to \$\Lambda \pi^+ \pi^0\$, \$\Sigma^0 \pi^+\$, \$\Sigma^0 \pi^+ \pi^0\$, and \$\Sigma^0 \pi^- \pi^+\$.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1016/0370-2693\(94\)90100-7.](#)

Phys.Lett. B325 (1994) 257-262.

1198) [Measurement of exclusive semileptonic decays of D mesons.](#)

By CLEO Collaboration (A. Bean et al.).

[10.1016/0370-2693\(93\)91385-Z.](#)

Phys.Lett. B317 (1993) 647-654.

1199) [Measurement of charmless semileptonic decays of B mesons.](#)

By CLEO Collaboration (John E. Bartelt et al.).

[10.1103/PhysRevLett.71.4111.](#)

Phys.Rev.Lett. 71 (1993) 4111-4115.

1200) [Measurement of two photon production of the \$\chi\(c^2\)\$.](#)

By CLEO Collaboration (V. Shelkov et al.).

[10.1103/PhysRevD.50.4265.](#)

Phys.Rev. D50 (1994) 4265-4271.

1201) [First measurement of \$\Gamma\(D\(s\)^+ \rightarrow \mu^+ \text{neutrino}\) / \Gamma\(D\(s\)^+ \rightarrow \pi^+ \pi^+\)\$.](#)

By CLEO Collaboration (D. Acosta et al.).

[10.1103/PhysRevD.49.5690.](#)

Phys.Rev. D49 (1994) 5690-5700.

1202) [Observation of \$B^0\$ decay to two charmless mesons.](#)

By CLEO Collaboration (M. Battle et al.).

[10.1103/PhysRevLett.71.3922.](#)

Phys.Rev.Lett. 71 (1993) 3922-3926.

1203) [Measurement of cross-section for \$\gamma \gamma \rightarrow p \text{ anti-}p\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[10.1103/PhysRevD.50.5484.](#)

Phys.Rev. D50 (1994) 5484-5490.

- 1204) [Measurement of the absolute branching fraction for \$D^0 \rightarrow K^- \pi^+\$.](#)
By CLEO Collaboration (D.S. Akerib et al.).
[10.1103/PhysRevLett.71.3070.](#)
Phys.Rev.Lett. 71 (1993) 3070-3074.
- 1205) [Measurement of the decay \$\tau^- \rightarrow \pi^- \pi^+ \pi^- 2 \pi^0 \tau\text{-neutrino}\$.](#)
By CLEO Collaboration (D. Bortoletto et al.).
[10.1103/PhysRevLett.71.1791.](#)
Phys.Rev.Lett. 71 (1993) 1791-1795.
- 1206) [Measurement of exclusive \$\Lambda\(c\)\$ decays with a \$\Sigma^+\$ in the final state.](#)
By CLEO Collaboration (Y. Kubota et al.).
[10.1103/PhysRevLett.71.3255.](#)
Phys.Rev.Lett. 71 (1993) 3255-3258.
- 1207) [Observation of the charmed Baryon \$\Sigma\(c\)^+\$ and measurement of the isospin mass splittings of the \$\Sigma\(c\)\$.](#)
By CLEO Collaboration (Glen D. Crawford et al.).
[10.1103/PhysRevLett.71.3259.](#)
Phys.Rev.Lett. 71 (1993) 3259-3262.
- 1208) [Measurement of the ratio \$B\(D^+ \rightarrow \pi^0 \text{ lepton}^+ \text{ neutrino}\) / B\(D^+ \rightarrow \text{anti-K}^0 \text{ lepton}^+ \text{ neutrino}\)\$.](#)
By CLEO Collaboration (M.S. Alam et al.).
[10.1103/PhysRevLett.71.1311.](#)
Phys.Rev.Lett. 71 (1993) 1311-1315.
- 1209) [The \$D^0 \rightarrow \pi^+ \pi^-\$ branching fractions.](#)
By CLEO Collaboration (M. Selen et al.).
[10.1103/PhysRevLett.71.1973.](#)
Phys.Rev.Lett. 71 (1993) 1973-1977.
- 1210) [Analysis of hadronic transitions in \$\epsilon\(3S\)\$ decays.](#)
By CLEO Collaboration (F. Butler et al.).
[10.1103/PhysRevD.49.40.](#)
Phys.Rev. D49 (1994) 40-57.
- 1211) [Study of the decays \$\Lambda\(c\)^+ \rightarrow \xi^0 K^+\$, \$\Lambda\(c\)^+ \rightarrow \Sigma^+ K^+ K^-\$ and \$\Lambda\(c\)^+ \rightarrow \xi^- K^+ \pi^+\$.](#)
By CLEO Collaboration (P. Avery et al.).
[10.1103/PhysRevLett.71.2391.](#)
Phys.Rev.Lett. 71 (1993) 2391-2395.
- 1212) [Evidence for penguins: First observation of \$B \rightarrow K^* \(892\) \gamma\$.](#)
By CLEO Collaboration (R. Ammar et al.).
[10.1103/PhysRevLett.71.674.](#)
Phys.Rev.Lett. 71 (1993) 674-678.
- 1213) [Two measurements of \$B^0\$ anti- \$B^0\$ mixing.](#)
By CLEO Collaboration (John E. Bartelt et al.).
[10.1103/PhysRevLett.71.1680.](#)
Phys.Rev.Lett. 71 (1993) 1680-1684.
- 1214) [A Measurement of the \$\tau\$ lepton mass.](#)
By CLEO Collaboration (R. Ballest et al.).
[10.1103/PhysRevD.47.R3671.](#)
Phys.Rev. D47 (1993) R3671-R3675.
- 1215) [A Limit on the \$\tau\$ -neutrino mass.](#)
By CLEO Collaboration (D. Cinabro et al.).
[10.1103/PhysRevLett.70.3700.](#)

Phys.Rev.Lett. 70 (1993) 3700-3704.

1216) [Observation of gain suppression in a plastic substrate microstrip gas chamber.](#)

By Carleton-CRPP-Purdue-Spire Collaboration (I. Shipsey for the collaboration).

Proceedings, Europhysics Conference, Marseille 1993, High energy physics p376-377.

1217) [Rare B decays from CLEO.](#)

By I. Shipsey, Proceedings, Europhysics Conference, Marseille 1993, High energy physics p145-148.

1218) [Beauty and charm semileptonic decays from CLEO.](#)

By I. Shipsey, Proceedings, Europhysics Conference, Marseille 1993, High energy physics p17-20.

1219) [Updated proposal for a B factory upgrade for the Cornell Electron Storage Ring.](#)

By M.S. Alam et al..

Preprint - Alam, M. (93/06,rec.Jul.) 63 p..

1220) [Production and decay of the D\(s1\)+ \(2536\).](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1016/0370-2693\(93\)91448-V.](#)

Phys.Lett. B303 (1993) 377-384.

1221) [A Search for exclusive \$b \rightarrow u\$ semileptonic decays of B mesons.](#)

By CLEO Collaboration (A. Bean et al.).

[10.1103/PhysRevLett.70.2681.](#)

Phys.Rev.Lett. 70 (1993) 2681-2685.

1222) [Study of D0 decays into anti-K0 and anti-K*0.](#)

By CLEO Collaboration (M. Procaro et al.).

[10.1103/PhysRevD.48.4007.](#)

Phys.Rev. D48 (1993) 4007-4017.

1223) [A Search for \$\tau \rightarrow \gamma \mu\$: A Test of lepton number conservation.](#)

By CLEO Collaboration (A. Bean et al.).

[10.1103/PhysRevLett.70.138.](#)

Phys.Rev.Lett. 70 (1993) 138-142.

1224) [Tau decays with one charged particle plus multiple pi0s.](#)

By CLEO Collaboration (M. Procaro et al.).

[10.1103/PhysRevLett.70.1207.](#)

Phys.Rev.Lett. 70 (1993) 1207-1211.

1225) [Measurement of the tau lepton electronic branching fraction.](#)

By CLEO Collaboration (D.S. Akerib et al.).

[10.1103/PhysRevLett.69.3610.](#)

Phys.Rev.Lett. 69 (1992) 3610-3614, Erratum: Phys.Rev.Lett. 71 (1993) 3395.

1226) [A Measurement of the tau lepton lifetime.](#)

By CLEO Collaboration (M. Battle et al.).

[10.1016/0370-2693\(92\)91409-3.](#)

Phys.Lett. B291 (1992) 488-495.

1227) [Measurement of tau decays involving eta mesons.](#)

By CLEO Collaboration (M. Artuso et al.).

[10.1103/PhysRevLett.69.3278.](#)

Phys.Rev.Lett. 69 (1992) 3278-3281.

1228) [D / s+ decays to eta rho+, eta-prime rho+, and Phi rho+..](#)

By CLEO Collaboration (P. Avery et al.).

[10.1103/PhysRevLett.68.1279.](#)

Phys.Rev.Lett. 68 (1992) 1279-1282.

- 1229) [D / s+ decays to eta pi+ and eta-prime' pi+..](#)
By CLEO Collaboration (James P. Alexander et al.).
[10.1103/PhysRevLett.68.1275](#).
Phys.Rev.Lett. 68 (1992) 1275-1278.
- 1230) [Lepton asymmetry measurements in anti-B ---> D* l- anti-neutrino and implications for V-A and the form-factors.](#)
By CLEO Collaboration (S. Sanghera et al.).
[10.1103/PhysRevD.47.791](#).
Phys.Rev. D47 (1993) 791-798.
- 1231) [Measurement of the D* \(2010\) branching fractions.](#)
By CLEO Collaboration (F. Butler et al.).
[10.1103/PhysRevLett.69.2041](#).
Phys.Rev.Lett. 69 (1992) 2041-2045.
- 1232) [Isospin mass splittings from precision measurements of D* - D mass differences.](#)
By CLEO Collaboration (D. Bortoletto et al.).
[10.1103/PhysRevLett.69.2046](#).
Phys.Rev.Lett. 69 (1992) 2046-2049.
- 1233) [Shape studies of quark jets versus gluon jets at s**\(1.2\) = 10-GeV.](#)
By CLEO Collaboration (M.S. Alam et al.).
[10.1103/PhysRevD.46.4822](#).
Phys.Rev. D46 (1992) 4822-4827.
- 1234) [Exclusive chi \(2P\) production in upsilon \(3S\) decay.](#)
By CLEO Collaboration (Glen D. Crawford et al.).
[10.1016/0370-2693\(92\)91653-Q](#).
Phys.Lett. B294 (1992) 139-144.
- 1235) [Technical Design of a Detector \(Solenoidal Detector\) April 1, 1992 to be Operated at the Superconducting Super Collider.](#)
By Solenoidal Detector Collaboration (George H. Trilling et al.).
[10.2172/7121463](#). SDC-92-201, SSCL-SR-1215, FERMILAB-DESIGN-1992-03
- 1236) [Measuring |V\(cb\)|, |V\(ub\)| and HQET at 10-GeV.](#)
By I.P.J. Shipsey.
[10.1088/0954-3899/18/10/009](#).
J.Phys. G18 (1992) 1678-1683.
- 1237) [Intermediate Angle Track Detector: Conceptual Design Report.](#)
By SDC ITD Group Collaboration (B. Foster et al.).
- 1238) [Observation of the decay xi\(c\)0 ---> omega- K+.](#)
By CLEO Collaboration (S. Henderson et al.).
[10.1016/0370-2693\(92\)91448-I](#).
Phys.Lett. B283 (1992) 161-164.
- 1239) [The CLEO-II detector.](#)
By CLEO Collaboration (Y. Kubota et al.).
[10.1016/0168-9002\(92\)90770-5](#).
Nucl.Instrum.Meth. A320 (1992) 66-113.
- 1240) [The Electronic branching ratio of the tau lepton.](#)
By CLEO Collaboration (R. Ammar et al.).
[10.1103/PhysRevD.45.3976](#).
Phys.Rev. D45 (1992) 3976-3985.

- 1241) [A Muon identification detector for B physics near \$e^+e^- \rightarrow B\$ anti-B threshold.](#)
By D. Bortoletto et al..
[10.1016/0168-9002\(92\)90771-U.](#)
Nucl.Instrum.Meth. A320 (1992) 114-127.
- 1242) [Two-body D\(s\)+ decays to \$\eta\$ \$\pi^+\$, \$\eta'\$ \$\pi^+\$, \$\eta\$ \$\rho^+\$, \$\eta'\$ \$\rho^+\$, \$\phi\$ \$\rho^+\$.](#)
By CLEO Collaboration (M. Daoudi et al.).
[10.1103/PhysRevD.45.3965.](#)
Phys.Rev. D45 (1992) 3965-3975.
- 1243) [Inclusive and exclusive decays of B mesons to final states including charm and charmonium mesons.](#)
By CLEO Collaboration (D. Bortoletto et al.).
[10.1103/PhysRevD.45.21.](#)
Phys.Rev. D45 (1992) 21-35.
- *1243a) [Measurements of semileptonic branching fractions of B mesons at the Upsilon \(4S\) resonance.](#)
By CLEO Collaboration (S. Henderson et al.).
[10.1103/PhysRevD.45.2212.](#)
Phys.Rev. D45 (1992) 2212-2231.
- 1244) [Inclusive \$\chi\(2 p\)\$ production in \$\Upsilon\(3s\)\$ decay.](#)
By CLEO-II Collaboration (R. Morrison et al.).
[10.1103/PhysRevLett.67.1696.](#)
Phys.Rev.Lett. 67 (1991) 1696-1700.
- 1245) [Measurement of the inclusive \$B^*\$ cross-section above the Upsilon \(4S\).](#)
By CLEO-II Collaboration (D.S. Akerib et al.).
[10.1103/PhysRevLett.67.1692.](#)
Phys.Rev.Lett. 67 (1991) 1692-1695.
- 1246) [Measurement of the ratio \$B\(D0 \rightarrow K^{*-} e^+ \text{electron-neutrino}\) / B\(D0 \rightarrow K^- e^+ \text{electron-neutrino}\)\$.](#)
By CLEO Collaboration (Glen D. Crawford et al.).
[10.1103/PhysRevD.44.3394.](#)
Phys.Rev. D44 (1991) 3394-3401.
- 1247) [B physics with CLEO.](#)
By Ian P.J. Shipsey. Proceedings of the La Thuile Rencontres 1991 p.43-74
- 1248) [Measurement of baryon production in B meson decay.](#)
By CLEO Collaboration (Glen D. Crawford et al.).
[10.1103/PhysRevD.45.752.](#)
Phys.Rev. D45 (1992) 752-770.
- 1249) [Unusual decay modes of \$D0\$ and \$D^+\$ mesons.](#)
By CLEO Collaboration (R. Ammar et al.).
[10.1103/PhysRevD.44.3383.](#)
Phys.Rev. D44 (1991) 3383-3393.
- 1250) [Detector for a B factory.](#)
By CLEO and CESR B Detector Working Group Collaborations (M. Ogg et al.). CLNS-91-1047-REV, CLNS-91-1047.
- 1251) [Study of continuum \$D^{*+}\$ spin alignment.](#)
By CLEO Collaboration (Y. Kubota et al.).
[10.1103/PhysRevD.44.593.](#)
Phys.Rev. D44 (1991) 593-600.
- 1252) [Study of \$\pi^+ \pi^-\$ transitions from the Upsilon \(3S\) and a search for the \$h\(b\)\$.](#)
By CLEO Collaboration (I.C. Brock et al.).
[10.1103/PhysRevD.43.1448.](#)

Phys.Rev. D43 (1991) 1448-1458.

1253) [Study of \$D_0\$ decays into final states with a \$\pi^0\$ or \$\eta\$.](#)

By CLEO Collaboration (K. Kinoshita et al.).

[10.1103/PhysRevD.43.2836.](#)

Phys.Rev. D43 (1991) 2836-2843.

1254) [Letter of Intent by the Solenoidal Detector Collaboration to Construct and Operate A Detector at the Superconducting Super Collider.](#)

By SDC Collaboration (George H. Trilling et al.). SSCL-SR-1153A, SSC-LOI0001, SDC-90-151

1255) [Measurement of the \$\Lambda\(c\)\$ decay asymmetry parameter.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1103/PhysRevLett.65.2842.](#)

Phys.Rev.Lett. 65 (1990) 2842-2845.

1256) [Exclusive and inclusive semileptonic decays of B mesons to D mesons.](#)

By CLEO Collaboration (R. Fulton et al.).

[10.1103/PhysRevD.43.651.](#)

Phys.Rev. D43 (1991) 651-663.

1257) [Determination of \$B\(D\(s\)^+ \rightarrow \phi \pi^+\)\$ via observations of \$D\(s\)^+ \rightarrow \phi l^+ \nu\$.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1103/PhysRevLett.65.1531.](#)

Phys.Rev.Lett. 65 (1990) 1531-1534.

1258) [Study of \$K^*\$ production in tau decay.](#)

By CLEO Collaboration (M. Goldberg et al.).

[10.1016/0370-2693\(90\)90256-6.](#)

Phys.Lett. B251 (1990) 223-228.

1259) [Inclusive production of the charmed baryon \$\Lambda\(c\)\$ from \$e^+ e^-\$ annihilations at \$s^{1/2} = 10.55\$ - \$10.65\$ GeV.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1103/PhysRevD.43.3599.](#)

Phys.Rev. D43 (1991) 3599-3610.

1260) [Expression of Interest by the Solenoidal Detector Collaboration to Construct and Operate A Detector at the Superconducting Super Collider.](#)

By SDC Collaboration (George H. Trilling et al.). SSCL-SR-1158, SSC-EOI0003, SDC-90-085

1261) [Study of the decays \$D_0 \rightarrow K \bar{K}, \pi \bar{\pi}\$.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1103/PhysRevLett.65.1184.](#)

Phys.Rev.Lett. 65 (1990) 1184-1187.

1262) [Observation of \$\Upsilon\(4s\)\$ Decays Into Non - \$B \bar{B}\$ Final States Containing \$\psi\$ Mesons.](#)

By CLEO Collaboration (James P. Alexander et al.).

[10.1103/PhysRevLett.64.2226.](#)

Phys.Rev.Lett. 64 (1990) 2226.

1263) [Exclusive and Inclusive Decays of \$B\$ Mesons Into \$D\(s\)\$ Mesons.](#)

By CLEO Collaboration (D. Bortoletto et al.).

[10.1103/PhysRevLett.64.2117.](#)

Phys.Rev.Lett. 64 (1990) 2117.

1264) [Measurement of \$\Gamma\$ Widths of Charmonium States.](#)

By CLEO Collaboration (W.Y. Chen et al.).

[10.1016/0370-2693\(90\)90975-C.](#)

Phys.Lett. B243 (1990) 169-174.

1265) [Observation of B Meson Semileptonic Decays to Noncharmed Final States.](#)

By CLEO Collaboration (R. Fulton et al.).

[10.1103/PhysRevLett.64.16.](#)

Phys.Rev.Lett. 64 (1990) 16-20.

1266) [Search for a Neutral Higgs Particle in the Decay Sequence \$K^0_L \rightarrow \pi^0 H^0\$ and \$H^0 \rightarrow e^+ e^-\$.](#)

By NA31 Collaboration (G.D. Barr et al.).

[10.1016/0370-2693\(90\)91979-L.](#)

Phys.Lett. B235 (1990) 356-362.

1267) [Search for Neutrinoless Decays of the \$\tau\$ Lepton.](#)

By CLEO Collaboration (T.J.V. Bowcock et al.).

[10.1103/PhysRevD.41.805.](#)

Phys.Rev. D41 (1990) 805.

1268) [Measurement of \$D\(s\)\$ Decay Modes.](#)

By CLEO Collaboration (W.Y. Chen et al.).

[10.1016/0370-2693\(89\)90312-2.](#)

Phys.Lett. B226 (1989) 192-196.

1269) [Measurement of the Isospin Mass Splitting \$\Xi^+\(c\) \Xi^0\(c\)\$.](#)

By CLEO Collaboration (M.S. Alam et al.).

[10.1016/0370-2693\(89\)91219-7.](#)

Phys.Lett. B226 (1989) 401-404.

1269) [\$\rho\$ Wave Charmed Mesons in \$e^+ e^-\$ Annihilation.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1103/PhysRevD.41.774.](#)

Phys.Rev. D41 (1990) 774.

1270) [\$\Sigma^{++}\(c\)\$ and \$\Sigma^0\(c\)\$ Production From \$e^+ e^-\$ Annihilation in the \$\Upsilon\$ Energy Region.](#)

By CLEO Collaboration (T.J.V. Bowcock et al.).

[10.1103/PhysRevLett.62.1240.](#)

Phys.Rev.Lett. 62 (1989) 1240.

1271) [Radiative Upsilon \(\$1s\$ \) Decays.](#)

By CLEO Collaboration (R. Fulton et al.).

[10.1103/PhysRevD.41.1401.](#)

Phys.Rev. D41 (1990) 1401.

1272) [Search for the Production of Fractionally Charged Particles in \$e^+ e^-\$ Annihilations at \$\sqrt{s}=10.5\$ {GeV}.](#)

By CLEO Collaboration (T.J.V. Bowcock et al.).

[10.1103/PhysRevD.40.263.](#)

Phys.Rev. D40 (1989) 263.

*1272a) [A Search for Exclusive Penguin Decays of \$B\$ Mesons.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1016/0370-2693\(89\)91635-3.](#)

Phys.Lett. B223 (1989) 470-475.

1273) [A Search for \$b \rightarrow u\$ Transitions in Exclusive Hadronic \$B\$ Meson Decays.](#)

By CLEO Collaboration (D. Bortoletto et al.).

[10.1103/PhysRevLett.62.2436.](#)

Phys.Rev.Lett. 62 (1989) 2436.

1274) [Search for a Neutral Higgs Boson in \$B\$ Meson Decay.](#)

By CLEO Collaboration (M.S. Alam et al.).

[10.1103/PhysRevD.40.712](#), [10.1103/PhysRevD.40.3790](#).

Phys.Rev. D40 (1989) 712-720, Erratum: Phys.Rev. D40 (1989) 3790.

1275) [Measurement of the Muonic Branching Fractions of the \$\Upsilon\(1s\)\$ and \$\Upsilon\(3s\)\$.](#)

By CLEO Collaboration (W.Y. Chen et al.).

[10.1103/PhysRevD.39.3528](#).

Phys.Rev. D39 (1989) 3528.

1276) [\$B_0\$ anti- \$B_0\$ Mixing at the \$\Upsilon\(4S\)\$.](#)

By CLEO Collaboration (M. Artuso et al.).

[10.1103/PhysRevLett.62.2233](#).

Phys.Rev.Lett. 62 (1989) 2233.

1277) [First Evidence for Direct CP Violation.](#)

By H. Burkhardt et al..

[10.1007/978-3-642-74136-4_34](#), XXIV International Conference on High Energy Physics

pp 528-531

1278) [Study of the Decay \$\bar{B}^0 \rightarrow D^{*+} L^-\$ Anti-neutrino.](#)

By CLEO Collaboration (D. Bortoletto et al.).

[10.1103/PhysRevLett.63.1667](#).

Phys.Rev.Lett. 63 (1989) 1667-1670.

1279) [First Observation of Inclusive \$\psi\$ Production in \$\Upsilon\$ Decays.](#)

By CLEO Collaboration (R. Fulton et al.).

[10.1016/0370-2693\(89\)91476-7](#).

Phys.Lett. B224 (1989) 445-449.

1280) [Observation of the Charmed Strange Baryon \$\Xi\(c\)0\$.](#)

By CLEO Collaboration (P. Avery et al.).

[10.1103/PhysRevLett.62.863](#).

Phys.Rev.Lett. 62 (1989) 863.

1281) [Search for the Charmless Decays \$B \rightarrow p \bar{p} \pi\$ and \$B \rightarrow p \bar{p} \pi \pi\$.](#)

By CLEO Collaboration (C. Bebek et al.).

[10.1103/PhysRevLett.62.8](#).

Phys.Rev.Lett. 62 (1989) 8.

1282) [Search for the Decay \$K_L \rightarrow \pi^0 e^+ e^-\$.](#)

By NA31 Collaboration (G.D. Barr et al.).

[10.1016/0370-2693\(88\)91486-4](#).

Phys.Lett. B214 (1988) 303-306.

1283) [First evidence for direct CP violation.](#)

By NA31 Collaboration (A.C. Schaffer et al.). Proceedings, 23rd Rencontres de Moriond, Leptonic Session, Les Arcs, France, March 6-13, 1988

1284) [MEASURING \$b \rightarrow c\$ SEARCHING FOR \$b \rightarrow u\$.](#)

By Ian P.J. Shipsey.

[10.1063/1.38134](#).

AIP Conf.Proc. 185 (1989) 200-215.

1285) [B Physics With Cleo-ii.](#)

By Ian P.J. Shipsey.

[10.1063/1.38081](#).

AIP Conf.Proc. 185 (1989) 561-568.

*1285a) [First Evidence for Direct CP Violation.](#)

By NA31 Collaboration (H. Burkhardt et al.).

[10.1016/0370-2693\(88\)91282-8](#).

Phys.Lett. B206 (1988) 169-176.

1286) [Investigation of the Total Charm Pair Cross-section in Nonresonant \$e^+e^-\$ Annihilations at \$\sqrt{s}=10.55\text{-GeV}\$.](#)

By CLEO Collaboration (T.J.V. Bowcock et al.).

[10.1103/PhysRevD.40.1701.2](#), [10.1103/PhysRevD.38.2679](#).

Phys.Rev. D38 (1988) 2679, Erratum: Phys.Rev. D40 (1989) 1701.

1287) [Observation Of \$D^{*+}\$ Polarization In Semileptonic B Decay.](#)

By CLEO Collaboration (S.E. Csorna et al.). CLNS-87/118, CLEO-87-11

1288) [Charm Production in Nonresonant \$e^+e^-\$ Annihilations at \$s^{*1/2} = 10.55\text{-GeV}\$.](#)

By CLEO Collaboration (D. Bortoletto et al.).

[10.1103/PhysRevD.39.1471](#), [10.1103/PhysRevD.37.1719](#).

Phys.Rev. D37 (1988) 1719, Erratum: Phys.Rev. D39 (1989) 1471.

1289) [Rare decays of B mesons: Results and perspectives from CLEO.](#)

By CLEO Collaboration (I.P.J. Shipsey for the collaboration). Proceedings, 23rd Rencontres de Moriond, Leptonic Session, Les Arcs, France, March 6-13, 1988

1290) [Upper Limits On Charm Changing Neutral Current Interactions.](#)

By CLEO Collaboration (P. Haas et al.).

[10.1103/PhysRevLett.60.1614](#).

Phys.Rev.Lett. 60 (1988) 1614.

1291) [Production of \$\eta\$ and \$\omega\$ Mesons in \$\tau\$ Decay and a Search for Second Class Currents.](#)

By CLEO Collaboration (Philip S. Baringer et al.).

[10.1103/PhysRevLett.59.1993](#).

Phys.Rev.Lett. 59 (1987) 1993.

1292) [The Beam and Detector for a High Precision Measurement of \$\{CP\}\$ Violation in Neutral Kaon Decays.](#)

By NA31 Collaboration (H. Burkhardt et al.).

[10.1016/0168-9002\(88\)90598-0](#).

Nucl.Instrum.Meth. A268 (1988) 116.

1293) [Observation of the Decay \$K_S \rightarrow 2\gamma\$ and Measurement of the Decay Rates \$K_L \rightarrow 2\gamma\$ and \$K_S \rightarrow 2\gamma\$.](#)

By NA31 Collaboration (H. Burkhardt et al.).

[10.1016/0370-2693\(87\)91477-8](#).

Phys.Lett. B199 (1987) 139.

1294) [Improved Upper Limit on Flavor Changing Neutral Current Decays of the B Quark.](#)

By CLEO Collaboration (A. Bean et al.).

[10.1103/PhysRevD.35.3533](#).

Phys.Rev. D35 (1987) 3533.

1295) [Measurement of the Tau Lifetime.](#)

By CLEO Collaboration (C. Bebek et al.).

[10.1103/PhysRevD.36.690](#).

Phys.Rev. D36 (1987) 690.

1296) [Gamma \(\$b \rightarrow u\$ Lepton Neutrino\) / gamma \(\$b \rightarrow c\$ Lepton Neutrino\) from the End Point of the Lepton Momentum Spectrum in Semileptonic B Decay.](#)

By CLEO Collaboration (S. Behrends et al.).

[10.1103/PhysRevLett.59.407](#).

Phys.Rev.Lett. 59 (1987) 407.

1297) [Evidence for Charmed Baryons in \$B\$ Meson Decay.](#)

By CLEO Collaboration (M.S. Alam et al.).

[10.1103/PhysRevLett.59.22](#).

Phys.Rev.Lett. 59 (1987) 22.

1298) [Preparing The Database For Future Cp Violation Measurements With B Mesons At E+ E- Machines.](#)

By N. Byers, K. Foley, M. Goldberg, Nari B. Mistry, I. Shipsey.

Proceedings, Workshop on High Sensitivity Beauty Physics at Fermilab, November 11-14 1987, Batavia, IL.

1299) [A Measurement Of The Two Gamma Decays Of Neutral K Mesons.](#)

By Ian Peter Joseph Shipsey. Ph.D. Thesis U. Edinburgh RAL-T-038