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Publons / Web Of Science ResearcherID: G-2141-2018

Yoksis Araştırmacı ID: 228899

Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Edebiyat Fakültesi/ Fen Bilimleri Enstitüsü, Fizik Bölümü/ Fizik Anabilim Dalı, Türkiye 2007 - 2014

Yüksek Lisans-Tezsiz, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Anabilim Dalı, Ortaöğretim Alan Öğretmenliği (Fizik), Türkiye 2006 - 2007

Lisans, Çukurova Üniversitesi, Fen Edebiyat Fakültesi/Fen Bilimleri Enstitüsü/, Fizik Bölümü, Türkiye 2002 - 2006

Yabancı Diller

İngilizce, C1 İleri

Sertifika, Kurs ve Eğitimler

Eğitim Yönetimi ve Planlama, TUBİTAK ARDEB Programı Bilgilendirme ve Proje Önerisi Yazma Uygulamalı Eğitimi, Çukurova Üniversitesi, 2018

Eğitim Yönetimi ve Planlama, COST (TN1302) Financial Management of EU Projects, University Politehnica of Bucharest, 2018

Eğitim Yönetimi ve Planlama, H2020 Financial Management, Vrije University, 2017

Finans, Focused Group Training-Horizon 2020 Legal and Financial Issues, Turkey in Horizon 2020 Project & TÜBİTAK, 2016

Diğer, Horizon 2020 Intellectual Property Rights Training, Turkey in Horizon 2020 Project & TÜBİTAK, 2016

Eğitim Yönetimi ve Planlama, COST BESTPRAC Meeting - Working Group 2 (Finance), COST BESTPRAC Action, 2016

Eğitim Yönetimi ve Planlama, Turkey in Horizon 2020 Project General Training, Turkey in Horizon 2020 Project & TÜBİTAK, 2016

Eğitim Yönetimi ve Planlama, FP7 and Horizon2020 Master of Finance and Administration, Europa Media Trainings, 2015

Eğitim Yönetimi ve Planlama, CERN- Fermilab Hadron Collider Physics Summer School, CERN (Conseil Européen pour la Recherche Nucléaire), 2013

Eğitim Yönetimi ve Planlama, Beyond the Standard Model: Results with the 7 TeV LHC Collision Data, The Abdus Salam International Centre for Theoretical Physics, 2011

Yaptığı Tezler

Doktora, MOMENTUM SCALE CALIBRATION OF MUON TRACKS USING THE MUON PAIRS FROM J/Psi DECAYS AND INSTALLATION AND COMMISSIONING WORK IN CMS AT CERN, Çukurova Üniversitesi, Fen Edebiyat, Fizik Bölümü, 2014

Araştırma Alanları

Fizik, Temel Parçacıklar ve Alanlar , Temel Bilimler

Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Çukurova Üniversitesi, Rektörlük, Proje Geliştirme Ve Koordinasyon Birimi, 2015 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Measurement of the polarizations of prompt and non-prompt [Formula presented] and $\psi(2S)$ mesons produced in pp collisions at $s=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, cilt.858, 2024 (SCI-Expanded)
- II. **Observation of double Formula Presented meson production in Formula Presented collisions at Formula Presented**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physical Review D, cilt.110, sa.9, 2024 (SCI-Expanded)
- III. **Search for the Z Boson Decay to $\tau\tau\mu\mu$ in Proton-Proton Collisions at $\sqrt{s}=13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physical review letters, cilt.133, sa.16, ss.161805, 2024 (SCI-Expanded)
- IV. **Exploring atmospheric neutrino oscillations at ESSnuSB**
Aguilar J., Anastasopoulos M., Baussan E., Bhattacharyya A., Bignami A., Blennow M., Bogomilov M., Bolling B., Bouquerel E., Bramati F., et al.
Journal of High Energy Physics, cilt.2024, sa.10, 2024 (SCI-Expanded)
- V. **Measurement of the $B_s^0 \rightarrow J/\psi K_S^0$ effective lifetime from proton-proton collisions at $s = 13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
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- VI. **Search for a resonance decaying to a W boson and a photon in proton-proton collisions at $s = 13\text{TeV}$ using leptonic W boson decays**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
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- VII. **Search for new physics in high-mass diphoton events from proton-proton collisions at $s = 13\text{TeV}$**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.

Journal of High Energy Physics, cilt.2024, sa.8, 2024 (SCI-Expanded)

- VIII. **Decoherence in neutrino oscillation at the ESSnuSB experiment**
Aguilar J., Anastasopoulos M., Baussan E., Bhattacharyya A., Bignami A., Blennow M., Bogomilov M., Bolling B., Bouquerel E., Bramati F., et al.
Journal of High Energy Physics, cilt.2024, sa.8, 2024 (SCI-Expanded)
- IX. **Search for dark QCD with emerging jets in proton-proton collisions at $s = 13$ TeV**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Journal of High Energy Physics, cilt.2024, sa.7, 2024 (SCI-Expanded)
- X. **Study of nonstandard interactions mediated by a scalar field at the ESSnuSB experiment**
Aguilar J., Anastasopoulos M., Baussan E., Bhattacharyya A., Bignami A., Blennow M., Bogomilov M., Bolling B., Bouquerel E., Bramati F., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XI. **Observation of the Formula Presented decay in proton-proton collisions at Formula Presented**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.
Physical Review D, cilt.109, sa.11, 2024 (SCI-Expanded)
- XII. **Search for a light charged Higgs boson in the $H \rightarrow c\bar{s}$ channel in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW D, cilt.102, sa.7, 2020 (SCI-Expanded)
- XIII. **Observation of the Production of Three Massive Gauge Bosons at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.125, sa.15, 2020 (SCI-Expanded)
- XIV. **Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\mu^+\mu^-$ in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
PHYSICS LETTERS B, cilt.808, 2020 (SCI-Expanded)
- XV. **Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
PHYSICS LETTERS B, cilt.808, 2020 (SCI-Expanded)
- XVI. **Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at root $s(NN)=5.02$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
PHYSICAL REVIEW LETTERS, cilt.125, sa.10, 2020 (SCI-Expanded)
- XVII. **Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at root $s=8$ TeV**
Aad G., Abbott B., Abbott D. C., Abud A. A., Abeling K., Abhayasinghe D. K., Abidi S. H., AbouZeid O. S., Abraham N. L., Abramowicz H., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2020 (SCI-Expanded)
- XVIII. **Search for a light pseudoscalar Higgs boson in the boosted $\mu\mu\tau\tau$ final state in proton-proton collisions at root $s=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
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- XIX. **Search for resonant pair production of Higgs bosons in the $b\bar{b}Z$ channel in proton-proton**

collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Fruhwirth R., Jeitler M., et al.

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- XX. **Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
PHYSICAL REVIEW D, cilt.102, sa.3, 2020 (SCI-Expanded)
- XXI. **Measurements of $(t\bar{t})$ Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICAL REVIEW LETTERS, cilt.125, sa.6, 2020 (SCI-Expanded)
- XXII. **The production of isolated photons in PbPb and pp collisions at root s(NN)=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2020 (SCI-Expanded)
- XXIII. **Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
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- XXIV. **Search for disappearing tracks in proton-proton collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICS LETTERS B, cilt.806, 2020 (SCI-Expanded)
- XXV. **Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
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- XXVI. **Measurement of the cross section for $t(\bar{t})$ production with additional jets and b jets in pp collisions at root s=13TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2020 (SCI-Expanded)
- XXVII. **Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at root s=13TeV and constraints on anomalous quartic couplings**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2020 (SCI-Expanded)
- XXVIII. **Strange hadron production in pp and pPb collisions at root(NN)-N-s=5.02 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., et al.
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- XXIX. **Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
JOURNAL OF INSTRUMENTATION, cilt.15, sa.6, 2020 (SCI-Expanded)
- XXX. **Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic**

scintillator tiles in the CMS hadron endcap calorimeter

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF INSTRUMENTATION, cilt.15, sa.6, 2020 (SCI-Expanded)

XXXI. Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in in pp collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2020 (SCI-Expanded)

XXXII. Determination of the strong coupling constant $\alpha(S)(m(Z))$ from measurements of inclusive $W^{+/-}$ and Z boson production cross sections in proton-proton collisions at root s=7 and 8 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2020 (SCI-Expanded)

XXXIII. Search for dijet resonances using events with three jets in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., Fruehwirth R., et al.

PHYSICS LETTERS B, cilt.805, 2020 (SCI-Expanded)

XXXIV. A measurement of the Higgs boson mass in the diphoton decay channel

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

PHYSICS LETTERS B, cilt.805, 2020 (SCI-Expanded)

XXXV. Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

PHYSICAL REVIEW LETTERS, cilt.124, sa.20, 2020 (SCI-Expanded)

XXXVI. Calibration of the CMS hadron calorimeters using proton-proton collision data at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

JOURNAL OF INSTRUMENTATION, cilt.15, sa.5, 2020 (SCI-Expanded)

XXXVII. Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

JOURNAL OF HIGH ENERGY PHYSICS, sa.5, 2020 (SCI-Expanded)

XXXVIII. Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at root s=13 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., Flechl M., et al.

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XXXIX. Non-Gaussian elliptic-flow fluctuations in PbPb collisions at root S-NN=5.02 TeV

Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

PHYSICS LETTERS B, cilt.789, ss.643-665, 2019 (SCI-Expanded)

XL. Multiparticle correlations and higher order harmonics in pPb collisions at root s(NN)=8.16 TeV

Wang Q., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.

NUCLEAR PHYSICS A, cilt.982, ss.375-378, 2019 (SCI-Expanded)

XLI. D-0-Meson R-AA in PbPb Collisions at root s(NN)=5.02 TeV and Elliptic Flow in pPb Collisions at

root s(NN)=8.16 TeV with CMS

Shi Z., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.

NUCLEAR PHYSICS A, cilt.982, ss.647-650, 2019 (SCI-Expanded)

- XLII. **Fragmentation of J/psi in jets in pp collisions at root s=5.02 TeV** Batoul Diab for the CMS collaboration
Diab B., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.186-188, 2019 (SCI-Expanded)
- XLIII. **Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2019 (SCI-Expanded)
- XLIV. **Beyond nPDFs effects : Prompt J/psi and psi(2S) production in pPb and pp collisions**
Oh G., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.743-746, 2019 (SCI-Expanded)
- XLV. **Search for the chiral magnetic effect at the LHC with the CMS experiment**
Tu Z., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.527-530, 2019 (SCI-Expanded)
- XLVI. **Measurement of differential cross sections for Z boson pair production in association with jets at root s=8 and 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., Del Valle A. E., et al.
PHYSICS LETTERS B, cilt.789, ss.19-44, 2019 (SCI-Expanded)
- XLVII. **Measurement of anisotropic flow in XeXe collisions at 5.44 TeV with the CMS experiment**
Stojanovic M., Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Eroe J., et al.
NUCLEAR PHYSICS A, cilt.982, ss.395-398, 2019 (SCI-Expanded)
- XLVIII. **Search for heavy resonances decaying to a top quark and a bottom quark in the lepton plus jets final state in proton-proton collisions at 13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.777, ss.39-63, 2018 (SCI-Expanded)
- XLIX. **Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at root s=13 TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.8, 2018 (SCI-Expanded)
- L. **Constraintson the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at root s=8TeV**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2018 (SCI-Expanded)
- LI. **Search for Higgsino pair production in pp collisions at root s=13 TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \rightarrow b\bar{b}$**
Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.97, sa.3, 2018 (SCI-Expanded)

- LII. **Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p plus Pb Collisions at the LHC**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
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- LIII. **Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
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- LIV. **Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
 PHYSICAL REVIEW LETTERS, cilt.120, sa.7, 2018 (SCI-Expanded)
- LV. **Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogi F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
 PHYSICAL REVIEW D, cilt.97, sa.1, 2018 (SCI-Expanded)
- LVI. **Measurements of the associated production of a Z boson and b jets in pp collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.11, 2017 (SCI-Expanded)
- LVII. **Particle-flow reconstruction and global event description with the CMS detector**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
 JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- LVIII. **Measurement of the t(t)-bar production cross section using events with one lepton and at least one jet in pp collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
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- LIX. **Search for high-mass Z gamma resonances in proton-proton collisions at root s=8 and 13 TeV using jet substructure techniques**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
 PHYSICS LETTERS B, cilt.772, ss.363-387, 2017 (SCI-Expanded)
- LX. **Cross section measurement of t-channel single top quark production in pp collisions at root s=13 TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., et al.
 PHYSICS LETTERS B, cilt.772, ss.752-776, 2017 (SCI-Expanded)
- LXI. **Search for standard model production of four top quarks in proton-proton collisions at root s=13TeV**
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- XCI. **Search for new physics with dijet angular distributions in proton-proton collisions at root S = 13 TeV**
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- CIX. **Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search**
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- CXI. **Measurement of the WZ production cross section in pp collisions at root s=7 and 8 TeV and search for anomalous triple gauge couplings at root s=8 TeV**
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- CXV. **Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at root s=8 TeV and cross section ratios to 2.76 and 7 TeV**

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- CXXVI. **Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at root s=8TeV**
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- CXXX. **Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at root s=8 TeV**
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- CXXXI. **Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at root s=7 and 8 TeV**
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- CXXXII. **Inclusive search for supersymmetry using razor variables in pp collisions at root s=13 TeV**
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- CXXXIII. **Observation of the decay $B^+ \rightarrow \psi(2S)\phi(1020)K^+$ in pp collisions at root s=8 TeV**
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- CXXXV. **Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CXXXVII. **Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at**

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CXXXVIII. Measurements of the $t(\bar{t})$ production cross section in lepton plus jets final states in pp collisions at 8 and ratio of 8 to 7 cross sections

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CXXXIX. Search for high-mass Z gamma resonances in $e^{+}e^{-}\gamma$ and $\mu^{+}\mu^{-}\gamma$ final states in proton-proton collisions at root s=8 and 13 TeV

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CXL. Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV

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CXLI. Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets

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CXLII. Measurement of the mass of the top quark in decays with a J/psi meson in pp collisions 8 TeV

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CXLIII. Search for lepton flavour violating decays of the Higgs boson to $e\tau$ and $e\mu$ in proton-proton collisions at root s=8 TeV

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CXLIV. Measurement of the ZZ production cross section and $Z \rightarrow l^{+}l^{-}l'^{+}l'^{-}$ branching fraction in pp collisions at root s=13TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CXLV. Search for dark matter particles in proton-proton collisions at root s = TeV using the razor variables

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CXLVI. Searches for R-parity-violating supersymmetry in pp collisions at root s=8 TeV in final states with 0-4 leptons

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CXLVII. Search for long-lived charged particles in proton-proton collisions at root s=13 TeV

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- CXLVIII. **Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at TeV**
The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
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- CXLIX. **Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton plus jets final states produced in pp collisions at root s=8 TeV**
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- CL. **Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at root s(NN)=2.76 TeV**
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- CLI. **Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at root s=8 TeV**
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- CLII. **Phenomenological MSSM interpretation of CMS searches in pp collisions at root s=7 and 8 TeV**
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- CLIII. **Measurement of the integrated and differential t(t)over-bar production cross sections for high-p(T) top quarks in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLIV. **Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter**
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- CLV. **Search for new physics with the M-T2 variable in all-jets final states produced in pp collisions at root s=13 Tev**
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- CLVI. **Upsilon (nS) polarizations versus particle multiplicity in pp collisions at root s=7 TeV**
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- CLVII. **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**
POLATÖZ A., EŞKUT E., GÖKBULUT G.
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- CLVIII. **Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at root s=7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

- PHYSICAL REVIEW D, cilt.94, sa.5, 2016 (SCI-Expanded)
- CLIX. **Measurement of dijet azimuthal decorrelation in pp collisions at root s=8 TeV**
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- CLX. **Measurement of the Z gamma -> nu(nu)over-bar gamma production cross section in pp collisions at root s=8 TeV and limits on anomalous ZZ gamma and Z gamma gamma trilinear gauge boson couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
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- CLXI. **Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV**
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- CLXII. **Search for R-parity violating decays of a top squark in proton-proton collisions at root s=8TeV**
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- CLXIII. **Search for s channel single top quark production in pp collisions at root s=7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
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- CLXIV. **Measurements of t(t)over-bar charge asymmetry using dilepton final states in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.760, ss.365-386, 2016 (SCI-Expanded)
- CLXV. **Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)
- CLXVI. **Measurement of the inelastic cross section in proton-lead collisions at root s(NN)=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
PHYSICS LETTERS B, cilt.759, ss.641-662, 2016 (SCI-Expanded)
- CLXVII. **Search for supersymmetry in pp collisions at root s=13 TeV in the single-lepton final state using the sum of masses of large-radius jets**
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- CLXVIII. **Measurement of the differential cross section and charge asymmetry for inclusive pp -> W-+/- + X production at root s=8 TeV**
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- CLXIX. **Combined search for anomalous pseudoscalar HW couplings in VH(H -> b(b)over-bar) production and H -> VV decay**
Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., Flechl M., Friedl M., Fruhwirth R.,

et al.

PHYSICS LETTERS B, cilt.759, ss.672-696, 2016 (SCI-Expanded)

- CLXX. **Search for new physics in same-sign dilepton events in proton-proton collisions at root s=13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)
- CLXXI. **Evidence for exclusive gamma gamma -> W (+) W (-) production and constraints on anomalous quartic gauge couplings in pp collisions at and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLXXII. **Measurement of the t(t)over-bar production cross section in the e mu channel in proton-proton collisions at root s=7 and 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLXXIII. **Measurement of the double-differential inclusive jet cross section in proton-proton collisions at root s=13TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.8, 2016 (SCI-Expanded)
- CLXXIV. **Study of Z boson production in pPb collisions at root S-NN=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.
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- CLXXV. **Search for neutral resonances decaying into a Z boson and a pair of b jets or tau leptons**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLXXVI. **Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.759, ss.9-35, 2016 (SCI-Expanded)
- CLXXVII. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLXXVIII. **Measurement of the W+W- cross section in pp collisions at root s=8 TeV and limits on anomalous gauge couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CLXXIX. **Measurement of inclusive jet production and nuclear modifications in pPb collisions at root s(NN)=5.02 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CLXXX. **Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV**

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- CLXXXI. **Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV with the Novel CMS Technique of Data Scouting**
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PHYSICAL REVIEW LETTERS, cilt.117, sa.3, 2016 (SCI-Expanded)
- CLXXXII. **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**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.758, ss.296-320, 2016 (SCI-Expanded)
- CLXXXIII. **Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon plus jets final state in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICS LETTERS B, cilt.758, ss.321-346, 2016 (SCI-Expanded)
- CLXXXIV. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CLXXXV. **Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=8$ and 13 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
PHYSICAL REVIEW LETTERS, cilt.117, sa.5, 2016 (SCI-Expanded)
- CLXXXVI. **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**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.7, 2016 (SCI-Expanded)
- CLXXXVII. **Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CLXXXVIII. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.6, 2016 (SCI-Expanded)
- CLXXXIX. **Measurement of the CP-violating weak phase $\phi(s)$ and the decay width difference $\Delta\Gamma(s)$ using the $B_s(0) \rightarrow J/\psi\phi(1020)$ decay channel in pp collisions at $\sqrt{s}=8$ TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CXC. **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**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CXCI. Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CXCII. Inclusive and differential measurements of the $t(\bar{t})$ charge asymmetry in pp collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CXCIII. Search for pair-produced vectorlike B quarks in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CXCIV. Measurement of the inclusive jet cross section in pp collisions at root s=2.76 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CXCV. Measurement of the ratio $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi \phi(1020))$ in pp collisions at root s=7 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
 PHYSICS LETTERS B, cilt.756, ss.84-102, 2016 (SCI-Expanded)
- CXCVI. Search for supersymmetry in pp collisions at root s=8 TeV in final states with boosted W bosons and b jets using razor variables**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICAL REVIEW D, cilt.93, sa.9, 2016 (SCI-Expanded)
- CXCVII. Measurement of the top quark mass using charged particles in pp collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICAL REVIEW D, cilt.93, sa.9, 2016 (SCI-Expanded)
- CXCVIII. Search for W ' decaying to tau lepton and neutrino in proton-proton collisions at root s=8 TeV**
 Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
 PHYSICS LETTERS B, cilt.755, ss.196-216, 2016 (SCI-Expanded)
- CXCIX. Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at root s=7 and 8 TeV**
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- CC. Search for heavy Majorana neutrinos in $e(+/-)e(+/-)+$ jets and $e(+/-) \mu(+/-) +$ jet events in proton-proton collisions at root s=8 TeV**
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- CCII. Search for anomalous single top quark production in association with a photon in pp collisions at**

root s=8 TeV

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CCIII. 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 $h \rightarrow \tau\tau$

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CCIV. Search for massive WH resonances decaying into the $l\nu b(\bar{b})$ final state at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCV. Measurement of the top quark mass using proton-proton data at root(s)=7

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCVI. Measurement of top quark polarisation in t-channel single top quark production

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CCVII. Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at root s=13 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

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CCVIII. Measurement of the $t(\bar{t})$ production cross section in the all-jets final state in pp collisions at root s=8TeV

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CCIX. Search for excited leptons in proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCX. Measurements of $t(\bar{t})$ spin correlations and top quark polarization using dilepton final states in pp collisions at root s=8 TeV

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CCXI. Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at root s=8 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCXII. Event generator tunes obtained from underlying event and multiparton scattering measurements

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCXIII. Transverse momentum spectra of inclusive b jets in pPb collisions at root s(NN)=5.02 TeV

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E.,

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- CCXV. **Angular analysis of the decay $B^0 \rightarrow K^*(0)\mu^+\mu^-$ from pp collisions at root s=8 TeV**
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Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Dragicevic M., Erö J., Flechl M., et al.
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- CCXVII. **Search for pair production of first and second generation leptoquarks in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CCXVIII. **Search for exotic decays of a Higgs boson into undetectable particles and one or more photons**
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- CCXIX. **Search for single production of scalar leptoquarks in proton-proton collisions at root s=8 TeV**
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- CCXX. **Search for a Higgs boson decaying into $\gamma\gamma \rightarrow \ell\ell\gamma$ with low dilepton mass in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- CCXXI. **Search for $W' \rightarrow tb$ in proton-proton collisions at root s=8 TeV**
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- CCXXII. **Measurement of the charge asymmetry in top quark pair production in pp collisions at root s=8 TeV using a template method**
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- CCXXIII. **Correlations between jets and charged particles in PbPb and pp collisions at root s(NN)=2.76 TeV**
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- CCXXIV. **Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at root s=13 TeV**
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- CCXXV. **A search for pair production of new light bosons decaying into muons**
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- CCXXVI. **Study of B Meson Production in p plus Pb Collisions at root s(NN)=5.02 TeV Using Exclusive Hadronic Decays**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CCXXVII. **Search for neutral MSSM Higgs bosons decaying to mu(+) mu(-) in pp collisions at root s=7 and 8 TeV**
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- CCXXVIII. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
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- CCXXIX. **Observation of top quark pairs produced in association with a vector boson in pp collisions at root s=8 TeV**
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- CCXXX. **Search for vectorlike charge 2/3 T quarks in proton-proton collisions at root(s)=8 TeV**
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- CCXXXIII. **Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at root s(NN)=2.76 TeV**
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- CCXXXIV. **Reconstruction and identification of tau lepton decays to hadrons and nu(tau) at CMS**
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- CCXXXV. **Search for resonant t(t)over-bar production in proton-proton collisions at root s=8 TeV**
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- CCXLIII. **Search for a charged Higgs boson in pp collisions at $\sqrt{s}=8$ TeV**
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- CCXLIV. **Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks**
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- CCXLV. **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**
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- CCXLVI. **Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons**
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- CCXLVII. **Comparison of the Z/γ^* plus jets to γ plus jets cross sections in pp collisions at $\sqrt{s}=8$**

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CCXLVIII. **Limits on the Higgs boson lifetime and width from its decay to four charged leptons**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.

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CCXLIX. **Search for supersymmetry with photons in pp collisions at root s=8 TeV**

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CCL. **Measurements of the ZZ production cross sections in the 2l2 nu channel in proton-proton collisions at root s=7 and 8 TeV and combined constraints on triple gauge couplings**

Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.

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CCLI. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.

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CCLII. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**

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CCLIII. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCLIV. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCLV. **Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

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CCLVI. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCLVII. **Angular analysis and branching fraction measurement of the decay B-0 -> K*(0)mu(+)mu(-)**

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

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CCLVIII. **Measurement of the W+W- cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings**

- Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C., Friedl M., et al.
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- CCLIX. **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 root s=7 TeV**
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- CCLX. **Measurement of the production cross section for Z gamma -> nu(nu)over-bar gamma in pp collisions at root s=7 TeV and limits on ZZ gamma and Z gamma gamma triple gauge boson couplings**
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- CCLXI. **Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at root s=7 TeV and first determination of the strong coupling constant in the TeV range**
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- CCLXII. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV**
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- CCLXIII. **Measurement of the W-boson helicity in top-quark decays from t(t)over-bar production in lepton plus jets events in pp collisions at root s=7 TeV**
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- CCLXIV. **Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at root s=7 TeV**
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- CCLXV. **Search for supersymmetry in hadronic final states with missing transverse energy using the variables alpha(T) and b-quark multiplicity in pp collisions at root s=8 TeV**
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- CCLXVI. **Measurement of neutral strange particle production in the underlying event in proton-proton collisions at root s=7 TeV**
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- CCLXVII. **Measurement of the B-s(0) ->mu(+)mu(-) Branching Fraction and Search for B-0 -> mu(+)mu(-) with the CMS Experiment**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C., Friedl M., et al.
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- CCLXVIII. **Interpretation of searches for supersymmetry with simplified models**
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- CCLXXIX. **Searches for Higgs bosons in pp collisions at root s=7 and 8 TeV in the context of four-generation and fermiophobic models**
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- CCLXX. **Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at root s=7 TeV**
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- CCLXXI. **Measurement of the $\Lambda(0)(b)$ lifetime in pp collisions at root s=7 TeV**
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- CCLXXII. **Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C., Friedl M., et al.
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- CCLXXIII. **Search for physics beyond the standard model in events with tau leptons, jets, and large transverse momentum imbalance in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
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- CCLXXIV. **Measurement of masses in the $t(\bar{t})$ system by kinematic endpoints in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C., Friedl M., et al.
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- CCLXXV. **Study of exclusive two-photon production of $W+W^-$ in pp collisions at root s=7 TeV and constraints on anomalous quartic gauge couplings**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C., Friedl M., et al.
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- CCLXXVI. **Searches for long-lived charged particles in pp collisions at root s=7 and 8 TeV**
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- CCLXXVII. **Search for microscopic black holes in pp collisions at root s=8 TeV**
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- CCLXXVIII. **Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC**
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- CCLXXIX. **Measurements of differential jet cross sections in proton-proton collisions at root s=7 TeV with the CMS detector**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.

- PHYSICAL REVIEW D, cilt.87, sa.11, 2013 (SCI-Expanded)
- CCLXXX. **Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCLXXXI. **Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C., Friedl M., et al.
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- CCLXXXII. **Search for narrow resonances using the dijet mass spectrum in pp collisions at root s=8 TeV**
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- CCLXXXIII. **Search for anomalous production of highly boosted Z bosons decaying to mu(+)mu(-) in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCLXXXIV. **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**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.722, ss.207-232, 2013 (SCI-Expanded)
- CCLXXXV. **Studies of jet mass in dijet and W/Z plus jet events**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCLXXXVI. **Measurement of the inelastic proton-proton cross section at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCLXXXVII. **Measurement of the t(t)over-bar production cross section in the all-jet final state in pp collisions at root s=7 TeV**
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- CCLXXXVIII. **Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCLXXXIX. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCXC. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroev J., Fabjan C., et al.
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- CCXCI. **Search for the standard model Higgs boson produced in association with a top-quark pair in pp**

collisions at the LHC

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.

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CCXCII. Search for fractionally charged particles in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.87, sa.9, 2013 (SCI-Expanded)

CCXCIII. Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.110, sa.17, 2013 (SCI-Expanded)

CCXCIV. Measurement of the W+W- and ZZ production cross sections in pp collisions at root s=8 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICS LETTERS B, cilt.721, ss.190-211, 2013 (SCI-Expanded)

CCXCV. Identification of b-quark jets with the CMS experiment

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCXCVI. Measurement of the X(3872) production cross section via decays to J/psi pi(+)pi(-) in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Ero J., Fabjan C., et al.

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CCXCVII. Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)

CCXCVIII. Search for pair-produced dijet resonances in four-jet final states in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.110, sa.14, 2013 (SCI-Expanded)

CCXCIX. Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)

CCC. Study of the underlying event at forward rapidity in pp collisions at root s=0.9, 2.76, and 7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCCI. Measurement of the t(t)over-bar production cross section in the tau plus jets channel in pp collisions at root s=7 TeV

Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.

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CCCII. Search for Z ' resonances decaying to t(t)over-bar in dilepton plus jets final states in pp collisions at root s=7 TeV

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- CCCIII. **Measurement of differential top-quark-pair production cross sections in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- CCCIV. **Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.3, 2013 (SCI-Expanded)
- CCCIV. **Measurement of the $t(\bar{t})$ production cross section in pp collisions at root s=7 TeV with lepton plus jets final states**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.720, ss.83-104, 2013 (SCI-Expanded)
- CCCVI. **Search for excited leptons in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.720, ss.309-329, 2013 (SCI-Expanded)
- CCCVII. **Search for new physics in events with same-sign dileptons and b jets in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
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- CCCVIII. **Search for contact interactions using the inclusive jet $p(T)$ spectrum in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- CCCIX. **Search for heavy narrow dilepton resonances in pp collisions at root s=7 TeV and root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.720, ss.63-82, 2013 (SCI-Expanded)
- CCCX. **Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- CCCXI. **Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.2, 2013 (SCI-Expanded)
- CCCXII. **Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroo J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- CCCXIII. **Search in leptonic channels for heavy resonances decaying to long-lived neutral particles**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J.,

- Fabjan C., et al.
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- CCCXIV. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root s 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- CCCXV. **Search for exotic resonances decaying into WZ/ZZ in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.
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- CCCXVI. **Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
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- CCCXVII. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.719, ss.42-61, 2013 (SCI-Expanded)
- CCCXVIII. **Search for contact interactions in mu(+)mu(-) events in pp collisions at root s = 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.3, 2013 (SCI-Expanded)
- CCCXIX. **Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
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- CCCXX. **Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2013 (SCI-Expanded)
- CCCXXI. **Observation of a diffractive contribution to dijet production in proton-proton collisions at root s = 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
PHYSICAL REVIEW D, cilt.87, sa.1, 2013 (SCI-Expanded)
- CCCXXII. **Search for heavy quarks decaying into a top quark and a W or Z boson using lepton plus jets events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.
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- CCCXXIII. **Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroë J., Fabjan C., et al.
PHYSICS LETTERS B, cilt.718, ss.1252-1272, 2013 (SCI-Expanded)
- CCCXXIV. **Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or >= 3 b-quark jets in 7 TeV pp collisions using the variable alpha(T)**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J.,

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- CCCXXV. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at root s(NN)=2.76 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICAL REVIEW C, cilt.87, sa.1, 2013 (SCI-Expanded)
- CCCXXVI. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
 Chatrchyan S., Collaboration C. M. S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
 PHYSICS LETTERS B, cilt.718, sa.3, ss.815-840, 2013 (SCI-Expanded)
- CCCXXVII. **Search for a W ' boson decaying to a bottom quark and a top quark in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- :CCXXVIII. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the q(q)over-barl(+)|(-) final state**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- CCCXXIX. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
 PHYSICS LETTERS B, cilt.718, sa.3, ss.795-814, 2013 (SCI-Expanded)
- CCCXXX. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.718, sa.3, ss.752-772, 2013 (SCI-Expanded)
- CCCXXXI. **Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at root S-NN=2.76 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- CCCXXXII. **Measurement of the ZZ production cross section and search for anomalous couplings in 2l2l' final states in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.
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- :CCXXXIII. **Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at root s(NN)=2.76 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
 PHYSICS LETTERS B, cilt.718, sa.3, ss.773-794, 2013 (SCI-Expanded)
- :CCXXXIV. **Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.
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- CCCXXXV. **Measurement of the single-top-quark t-channel cross section in pp collisions at root s=7 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Erö J., Fabjan C., et al.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)
- CCXXXVI. **Measurement of the relative prompt production rate of $\chi(c2)$ and $\chi(c1)$ in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- CCXXXVII. **Measurement of the top-quark mass in $t(\bar{t})$ over-bar events with lepton plus jets final states in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- CCXXXVIII. **A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- CCXXXIX. **Study of the Dijet Mass Spectrum in $pp \rightarrow W + \text{jets}$ Events at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguilo E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.109, sa.25, 2012 (SCI-Expanded)
- CCCXL. **Search for three-jet resonances in pp collisions at root $s=7$ TeV**
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- CCCXLII. **Search for resonant $t(\bar{t})$ over-bar production in lepton plus jets events in pp collisions at root $s=7$ TeV**
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- CCCXLIII. **Search for pair produced fourth-generation up-type quarks in pp collisions at root $s=7$ TeV with a lepton in the final state**
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- CCCXLV. **Search for exclusive or semi-exclusive $\gamma\gamma$ production and observation of exclusive and semi-exclusive $e(+)e(-)$ production in pp collisions at root $s=7$ TeV**
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- CCCXLVI. **Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at root $s=7$ TeV**
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- CCCXLVII. **Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at root s=7 TeV**
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- CCCLI. **Study of the inclusive production of charged pions, kaons, and protons in pp collisions at root s=0.9, 2.76, and 7 TeV**
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- CCCLII. **Search for charge-asymmetric production of W ' bosons in t(t)over-bar plus jet events from pp collisions at root s=7 TeV**
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- CCCLVI. **Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV**
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- CCCLXIV. **Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCLXV. **Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV**
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- CCCLXVI. **Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCLXVII. **Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7$ TeV**
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- CCCLXVIII. **Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCLXXIV. **Measurement of the underlying event activity in pp collisions at $\sqrt{s}=0.9$ and 7 TeV with the novel jet-area/median approach**
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- CCCLXXV. **Study of W boson production in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV**
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- CCCLXXVI. **Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCLXXVII. **Search for leptonic decays of W^\pm bosons in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCLXXVIII. **Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV CMS Collaboration**
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- CCCLXXXI. **Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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- CCLXXXII. **Search for heavy long-lived charged particles in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXXIII. **Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXXIV. **Observation of a New $\Xi(b)$ Baryon**
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- CLXXXVI. **Measurement of the $t(\bar{t})$ production cross section in pp collisions at $\sqrt{s}=7$ TeV in dilepton final states containing a tau**
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- CLXXXVII. **Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV**
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- LXXXVIII. **Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- CLXXXIX. **Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCXC. **Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCXCI. **Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s}=7$ TeV**
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- CCCXCII. **Search for large extra dimensions in dimuon and dielectron events in pp collisions at root s=7 TeV**
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- CCCXCIII. **Search for heavy bottom-like quarks in 4.9 fb(-1) of pp collisions at root s=7 TeV**
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 Friedl M., et al.
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- CCCXCIV. **Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at root s(NN)=2.76 TeV**
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- CCCXCV. **Search for a Higgs boson in the decay channel H -> ZZ((*)) -> q(q)over-bar(l(-)l(+)) in pp collisions at root s=7 TeV**
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- CCCXCVI. **Search for the standard model Higgs boson decaying into two photons in pp collisions at root s=7 TeV**
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- CCCXCVII. **Search for microscopic black holes in pp collisions at root s=7 TeV**
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- CCCXCVIII. **Search for B-S(0) -> mu(+)mu(-) and B-0 -> mu(+)mu(-) decays**
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 Friedl M., et al.
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- CCCXCIX. **Measurement of isolated photon production in pp and PbPb collisions at root s(NN)=2.76 TeV**
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- CD. **Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root s=7 TeV**
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- CDI. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root s=7 TeV**
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- CDII. **Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroë J., Fabjan C.,
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- CDIII. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CDIV. **Combined results of searches for the standard model Higgs boson in pp collisions at root $s=7$ TeV**
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- CDV. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l(+)l(-)\tau(+)\tau(-)$ decay channel in pp collisions at root $s=7$ TeV**
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- CDVI. **Search for the standard model Higgs boson decaying to $W+W-$ in the fully leptonic final state in pp collisions at root $s=7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- CDVII. **Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Ero J., Fabjan C., Friedl M., et al.
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- CDVIII. **J/ψ and $\psi(2S)$ production in pp collisions at root $s=7$ TeV**
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