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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

Eđitim Yönetimi ve Planlama, Physics Analysis Tools Course, CERN (Conseil Européen pour la Recherche Nucléaire), 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. **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)
- III. **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)
- IV. **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.
Journal of High Energy Physics, cilt.2024, sa.9, 2024 (SCI-Expanded)
- V. **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.
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- VI. **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)
- VII. **Search for dark QCD with emerging jets in 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.7, 2024 (SCI-Expanded)

- VIII. **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)
- IX. **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.
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- X. **Observation of the Production of Three Massive Gauge Bosons 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.
PHYSICAL REVIEW LETTERS, cilt.125, sa.15, 2020 (SCI-Expanded)
- XI. **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., Ambrogi 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)
- XII. **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., Ambrogi 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)
- XIII. **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., Ambrogi 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)
- XIV. **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., Ambrogi F., Bergauer T., Brandstetter J., Dragicevic M., Ero J., Del Valle A. E., Flechl M., et al.
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- XV. **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)
- XVI. **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.
PHYSICAL REVIEW D, cilt.102, sa.3, 2020 (SCI-Expanded)
- XVII. **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)
- XVIII. **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)

- XIX. **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., Ambrogi F., Bergauer T., Dragicevic M., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.8, 2020 (SCI-Expanded)
- XX. **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)
- XXI. **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)
- XXII. **Measurement of the cross section for t(t)-bar 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)
- 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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2020 (SCI-Expanded)
- XXIV. **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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.7, 2020 (SCI-Expanded)
- XXV. **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., Ero J., Del Valle A. E., Flechl M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.6, 2020 (SCI-Expanded)
- XXVI. **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)
- XXVII. **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., Ero J., Del Valle A. E., Flechl M., Fruhwirth R., et al.
PHYSICS LETTERS B, cilt.805, 2020 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **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., Ero J., Del Valle A. E., Flechl M., et al.
PHYSICS LETTERS B, cilt.805, 2020 (SCI-Expanded)

- XXX. **Strange hadron production in pp and pPb collisions at $\sqrt{s}=5.02$ 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.
PHYSICAL REVIEW C, cilt.101, sa.6, 2020 (SCI-Expanded)
- XXXI. **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 $\sqrt{s}=7$ 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)
- XXXII. **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)
- XXXIII. **Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ 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)
- XXXIV. **Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s}=13$ 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)
- XXXV. **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)
- XXXVI. **Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s}=13$ 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.5, 2020 (SCI-Expanded)
- XXXVII. **Multiparticle correlations and higher order harmonics in pPb collisions at $\sqrt{s(NN)}=8.16$ 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)
- XXXVIII. **Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s-NN}=5.02$ 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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)

- XLII. **Fragmentation of J/ψ in jets in pp collisions at $\sqrt{s}=5.02$ 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. **D-0-Meson R-AA in PbPb Collisions at $\sqrt{s(NN)}=5.02$ TeV and Elliptic Flow in pPb Collisions at $\sqrt{s(NN)}=8.16$ 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)
- XLIV. **Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s}=8$ 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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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., Eroe J., et al.
PHYSICAL REVIEW LETTERS, cilt.120, sa.7, 2018 (SCI-Expanded)
- XLVIII. **Constraint on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s}=8$ TeV**
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)
- 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 $\sqrt{s}=13$ 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. **Search for supersymmetry in events with at least three electrons or muons, jets, 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., Brondolin E., Dragicevic M., Eroe J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2018 (SCI-Expanded)
- LI. **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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- LII. **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., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 PHYSICAL REVIEW D, cilt.97, sa.3, 2018 (SCI-Expanded)
- LIII. **Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogio F., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 PHYSICAL REVIEW D, cilt.97, sa.1, 2018 (SCI-Expanded)
- LIV. **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., Eroo J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.11, 2017 (SCI-Expanded)
- LV. **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., Eroo J., Flechl M., et al.
 JOURNAL OF INSTRUMENTATION, cilt.12, 2017 (SCI-Expanded)
- LVI. **Coherent J/psi photoproduction in ultra-peripheral PbPb collisions at root s(NN)=2.76 TeV with the CMS experiment**
 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.772, ss.489-511, 2017 (SCI-Expanded)
- LVII. **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., Eroo J., Flechl M., et al.
 PHYSICS LETTERS B, cilt.772, ss.752-776, 2017 (SCI-Expanded)
- LVIII. **Search for new phenomena with multiple charged leptons 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., Eroo J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.9, 2017 (SCI-Expanded)
- LIX. **Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at root s=13TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Ambrogio E., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
 EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.9, 2017 (SCI-Expanded)
- LX. **Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at root sNN=5.02TeV**
 Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., Flechl M., et al.
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- LXI. **Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at root s=13 TeV**
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- LXII. **Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at root s=13TeV**
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- LXIV. **Search for a heavy resonance decaying to a top quark and a vector-like top quark at root s=13 TeV**
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- LXV. **Search for standard model production of four top quarks in proton-proton collisions at root s=13TeV**
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- LXVI. **Measurement of the t(t)over-bar production cross section using events with one lepton and at least one jet in pp collisions at root s=13 TeV**
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- LXVII. **Search for high-mass Z gamma resonances in proton-proton collisions at root s=8 and 13 TeV using jet substructure techniques**
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- LXIX. **Measurement of the top quark mass in the dileptonic t(t)over-bar decay channel using the mass observables M-bl, M-T2, and M-blv in pp collisions at root=8 TeV**
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- LXX. **Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state**
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- LXXII. **Searches for W ' bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13TeV**
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- LXXVI. **Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at root S=13 TeV**
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- LXXX. **Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at root sNN=5.02 TeV**
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- LXXXII. **Measurement of the cross section for electroweak production of Z gamma in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at root s=8 TeV**
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- LXXXV. **Suppression of gamma(1S), gamma(2S), and gamma(3S) quarkonium states in PbPb collisions at root S=2.76TeV**
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- LXXXIX. **Search for t(t)over-bar resonances in highly boosted lepton plus jets and fully hadronic final states in proton-proton collisions at root s=13 TeV**
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- XC. **Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV**
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- CXVI. **Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect**

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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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- CXIX. **Measurement of the WZ production cross section in pp collisions at root s=13 TeV**

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- CXX. **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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- CXXI. **Search for massive resonances decaying in to WW,WZ or ZZ bosons in proton-proton collisions at root s=13 TeV**

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- CXXII. **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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- CXXIII. **Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at root s=8TeV**

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- CXXIV. **Searches for invisible decays of the Higgs boson in pp collisions at root S=7, 8, and 13 TeV**

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- CXXV. **Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at root s=13 TeV**

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- CXXXVI. **Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV**
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- CXXXVII. **Evidence for collectivity in pp collisions at the LHC**
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- CXXXIX. **Measurement of the production cross section of a W boson in association with two b jets 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., Ero J., et al.
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- CXXX. **Inclusive search for supersymmetry using razor variables in pp collisions at root s=13 TeV**
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- CLVI. **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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- CLVII. **Measurements of t(t)over-bar charge asymmetry using dilepton final states in pp collisions at root s=8 TeV**
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- CLIX. **Search for s channel single top quark production in pp collisions at root s=7 and 8 TeV**
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- CLXIII. **Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at root s=8 TeV**
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- CLXIV. **Measurement of the inelastic cross section in proton-lead collisions at root s(NN)=5.02 TeV**
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- CLXVII. **Combined search for anomalous pseudoscalar HW couplings in VH(H -> b(b)over-bar) production and H -> VV decay**
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- CLXVIII. **Search for new physics in same-sign dilepton events in proton-proton collisions at root s=13 TeV**
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- CLXIX. **Evidence for exclusive gamma gamma -> W (+) W (-) production and constraints on anomalous quartic gauge couplings in pp collisions at and 8 TeV**
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- CLXXI. **Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s}=13$ TeV**
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- CLXXII. **Study of Z boson production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- CLXXIII. **Search for neutral resonances decaying into a Z boson and a pair of b jets or tau leptons**
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- CLXXIV. **Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV**
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- CLXXV. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s}=8$ TeV**
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- CLXXVI. **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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- CLXXIX. **Measurement of the $W+W-$ cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous gauge couplings**
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- CLXXX. **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**

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- CLXXXI. **Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s(NN)}=5.02$ TeV**
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- CLXXXII. **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**
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- CLXXXIII. **Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV**
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- CLXXXIV. **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**
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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
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- CLXXXVI. **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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- CLXXXVII. **Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV**
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- CLXXXVIII. **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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- CLXXXIX. **Inclusive and differential measurements of the $t(\bar{t})$ charge asymmetry 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. **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

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- CXCI. **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.
PHYSICAL REVIEW D, cilt.93, sa.11, 2016 (SCI-Expanded)
- CXCII. **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)
- CXCIII. **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.
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- CXCIV. **Measurement of the inclusive jet cross section in pp collisions at root s=2.76 TeV**
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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.
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- CXCVI. **Search for anomalous single top quark production in association with a photon 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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- CXCVII. **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.
PHYSICAL REVIEW LETTERS, cilt.116, sa.17, 2016 (SCI-Expanded)
- CXCVIII. **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.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.5, 2016 (SCI-Expanded)
- CXCIX. **Measurement of top quark polarisation in t-channel single top quark production**
The CMS collaboration C., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2016 (SCI-Expanded)
- CC. **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 $h \rightarrow \tau \tau$**
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.217-244, 2016 (SCI-Expanded)
- CCI. **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)
- CCII. **Search for new phenomena in monophoton final states in proton-proton collisions at root s=8 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.755, ss.102-124, 2016 (SCI-Expanded)
- CCIII. **Measurement of the top quark mass using proton-proton data at $\sqrt{s}=7$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, cilt.93, sa.7, 2016 (SCI-Expanded)
- CCIV. **Search for heavy Majorana neutrinos in $e(+/-)e(+/-)+$ jets and $e(+/-)\mu(+/-)$ + jet events in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
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 differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ and 8TeV**
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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- CCVI. **Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
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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- CCVII. **Measurements of $t(\bar{t})$ spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s}=8\text{TeV}$**
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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- CCVIII. **Measurement of the $t(\bar{t})$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8\text{TeV}$**
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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- CCIX. **Search for excited leptons in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
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. **Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s(\text{NN})}=5.02\text{TeV}$**
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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- CCXI. **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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- CCXII. **Angular analysis of the decay $B^0 \rightarrow K^*(0)\mu^+\mu^-$ from pp collisions at $\sqrt{s}=8\text{TeV}$**
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.753, ss.424-448, 2016 (SCI-Expanded)
- CCXIII. **Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=8\text{TeV}$**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Ero J., et al.

- PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CCXIV. **Search for $W^- \rightarrow tb$ 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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.2, 2016 (SCI-Expanded)
- CCXV. **Search for pair production of first and second generation leptoquarks 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.
PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CCXVI. **Search for exotic decays of a Higgs boson into undetectable particles and one or more photons**
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.753, ss.363-388, 2016 (SCI-Expanded)
- CCXVII. **Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ 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.116, sa.5, 2016 (SCI-Expanded)
- CCXVIII. **Search for a Higgs boson decaying into $\gamma^*\gamma \rightarrow ll$ with low dilepton mass 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.753, ss.341-362, 2016 (SCI-Expanded)
- CCXIX. **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**
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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- CCXX. **Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s}=8$ TeV using a template method**
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 D, cilt.93, sa.3, 2016 (SCI-Expanded)
- CCXXI. **Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=13$ 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.116, sa.7, 2016 (SCI-Expanded)
- CCXXII. **Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ 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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- CCXXIII. **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**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroo J., et al.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CCXXIV. **Search for the production of an excited bottom quark decaying to tW 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.

- JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CCXXV. **Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at root s(NN)=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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.1, 2016 (SCI-Expanded)
- CCXXVI. **Search for neutral MSSM Higgs bosons decaying to mu(+) mu(-) 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.
PHYSICS LETTERS B, cilt.752, ss.221-246, 2016 (SCI-Expanded)
- CCXXVII. **Observation of top quark pairs produced in association with a vector boson in pp collisions at root s=8 TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Erö J., et al.
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- CCXXVIII. **Search for resonant t(t)over-bar production 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.
PHYSICAL REVIEW D, cilt.93, sa.1, 2016 (SCI-Expanded)
- CCXXIX. **Search for vectorlike charge 2/3 T 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.
PHYSICAL REVIEW D, cilt.93, sa.1, 2016 (SCI-Expanded)
- CCXXX. **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., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.1, 2016 (SCI-Expanded)
- CCXXXI. **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., Eroe J., et al.
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- CCXXXII. **Reconstruction and identification of tau lepton decays to hadrons and nu(tau) at CMS**
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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- CCXXXIII. **A search for pair production of new light bosons decaying into muons**
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.752, ss.146-168, 2016 (SCI-Expanded)
- CCXXXIV. **Pseudorapidity distribution of charged hadrons 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., Eroe J., et al.
PHYSICS LETTERS B, cilt.751, ss.143-163, 2015 (SCI-Expanded)
- CCXXXV. **Search for a light charged Higgs boson decaying to c(s)over-bar 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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2015 (SCI-Expanded)
- CCXXXVI. **Production of leading charged particles and leading charged-particle jets at small transverse**

momenta in pp collisions at root s=8 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.

PHYSICAL REVIEW D, cilt.92, sa.11, 2015 (SCI-Expanded)

CCXXXVII. **Measurement of the differential cross section for top quark pair production in pp collisions at root s=8TeV**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.11, 2015 (SCI-Expanded)

CCXXXVIII. **Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.11, ss.1-43, 2015 (SCI-Expanded)

CCXXXIX. **Search for diphoton resonances in the mass range from 150 to 850 GeV 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.

PHYSICS LETTERS B, cilt.750, ss.494-519, 2015 (SCI-Expanded)

CCXL. **Angular coefficients of Z bosons produced in pp collisions at root S=8 TeV and decaying to mu(+)-mu(-) as a function of transverse momentum and rapidity**

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.750, ss.154-175, 2015 (SCI-Expanded)

CCXLI. **Search for a charged Higgs boson 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.

JOURNAL OF HIGH ENERGY PHYSICS, sa.11, 2015 (SCI-Expanded)

CCXLII. **Search for supersymmetry in the vector-boson fusion topology in proton-proton 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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CCXLIII. **Study of W boson production in pPb collisions at root(NN)-N-S=5.02 TeV**

Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., Hartl C., Hoermann N., Hrubec J., et al.

PHYSICS LETTERS B, cilt.750, ss.565-586, 2015 (SCI-Expanded)

CCXLIV. **Search for supersymmetry with photons 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.

PHYSICAL REVIEW D, cilt.92, sa.7, 2015 (SCI-Expanded)

CCXLV. **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.

EUROPEAN PHYSICAL JOURNAL C, cilt.75, sa.10, 2015 (SCI-Expanded)

CCXLVI. **Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2015 (SCI-Expanded)

CCXLVII. **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., Eroo J., et al
 PHYSICAL REVIEW D, cilt.92, sa.7, 2015 (SCI-Expanded)
- CCXLVIII. **Comparison of the Z/gamma* plus jets to gamma plus jets cross sections 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., Eroo J., et al
 JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2015 (SCI-Expanded)
- CCXLIX. **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., Eroo J., Fabjan C., et al
 PHYSICS LETTERS B, cilt.726, ss.564-586, 2013 (SCI-Expanded)
- CC. **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., Eroo J., Fabjan C., Friedl M., et al
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- CCLI. **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., Eroo J., Fabjan C., et al
 PHYSICS LETTERS B, cilt.727, ss.101-125, 2013 (SCI-Expanded)
- CCLII. **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., Eroo J., Fabjan C., Friedl M., et al
 PHYSICAL REVIEW LETTERS, cilt.111, sa.21, 2013 (SCI-Expanded)
- 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., Eroo J., Fabjan C., et al
 JOURNAL OF INSTRUMENTATION, cilt.8, 2013 (SCI-Expanded)
- CCLIV. **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., Eroo J., Fabjan C., Friedl M., et al
 PHYSICS LETTERS B, cilt.726, ss.587-609, 2013 (SCI-Expanded)
- CCLV. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**
 Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al
 PHYSICS LETTERS B, cilt.727, ss.57-76, 2013 (SCI-Expanded)
- CCLVI. **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**
 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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- CCLVII. **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., Eroo J., Fabjan C., Friedl M., et al
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- CCLVIII. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp**

collisions at 8 TeV

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

PHYSICS LETTERS B, cilt.725, ss.243-270, 2013 (SCI-Expanded)

- 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**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)

- CCLX. **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**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.10, 2013 (SCI-Expanded)

- CCLXI. **Measurement of the production cross section for $Z \gamma \rightarrow \nu(\bar{\nu}) \gamma$ in pp collisions at root s=7 TeV and limits on ZZ $\gamma \gamma$ and Z $\gamma \gamma$ triple gauge boson couplings**

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

JOURNAL OF HIGH ENERGY PHYSICS, sa.10, 2013 (SCI-Expanded)

- CCLXII. **Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ Branching Fraction and Search for $B^0 \rightarrow \mu^+ \mu^-$ with the CMS Experiment**

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

PHYSICAL REVIEW LETTERS, cilt.111, sa.10, 2013 (SCI-Expanded)

- CCLXIII. **Interpretation of searches for supersymmetry with simplified models**

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.88, sa.5, 2013 (SCI-Expanded)

- CCLXIV. **Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at root s=7 TeV**

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

JOURNAL OF INSTRUMENTATION, cilt.8, 2013 (SCI-Expanded)

- 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**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.73, sa.9, 2013 (SCI-Expanded)

- CCLXVI. **Measurement of neutral strange particle production in the underlying event in proton-proton collisions at root s=7 TeV**

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

PHYSICAL REVIEW D, cilt.88, sa.5, 2013 (SCI-Expanded)

- CCLXVII. **Searches for Higgs bosons in pp collisions at root s=7 and 8 TeV in the context of four-generation and fermiophobic models**

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.725, ss.36-59, 2013 (SCI-Expanded)

- CCLXVIII. **Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at root s=7 TeV**

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- Fabjan C., et al.
PHYSICAL REVIEW LETTERS, cilt.111, sa.8, 2013 (SCI-Expanded)
- CCLXIX. **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., Eroo J., Fabjan C., et al.
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- CCLXX. **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., Eroo J., Fabjan C., Friedl M., et al.
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- CCLXXI. **Search for microscopic black holes in pp collisions at root s=8 TeV**
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- CCLXXII. **Measurement of the $\Lambda(0)(b)$ lifetime in pp collisions at root s=7 TeV**
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- CCLXXIII. **Searches for long-lived charged particles 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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- CCLXXIV. **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., Erö J., Fabjan C., Friedl M., et al.
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- CCLXXV. **Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions**
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- CCLXXVI. **Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV**
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- CCLXXVII. **Search for heavy resonances in the W/Z -tagged dijet mass spectrum in pp collisions at 7 TeV**
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- CCLXXVIII. **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., Eroo J., Fabjan C., et al.
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- CCLXXIX. **Search for narrow resonances using the dijet mass spectrum in pp collisions at root s=8 TeV**
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- CCLXXX. **Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroo J., Fabjan C., Friedl M., et al.
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- CCLXXXI. **Search for long-lived particles in events with photons and missing energy in proton-proton collisions at root s=7 TeV**
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- CCLXXXII. **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., Eroo J., Fabjan C., et al.
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- :CLXXXIII. **Search for fractionally charged particles in pp collisions at root s=7 TeV**
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- :CLXXXIV. **Studies of jet mass in dijet and W/Z plus jet events**
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- CCLXXXV. **Measurement of the inelastic proton-proton cross section at root s=7 TeV**
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- :CLXXXVI. **Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC**
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- CLXXXVII. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at root s=7 TeV**
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- :LXXXVIII. **Search for anomalous production of highly boosted Z bosons decaying to mu(+)-mu(-) in proton-proton collisions at root s=7 TeV**
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- :CLXXXIX. **Measurement of the t(t)-bar production cross section in the all-jet final state in pp collisions at root s=7 TeV**
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- CCXC. **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**
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- CCXCI. **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.
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- CCXCII. **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.
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- CCXCIII. **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.
JOURNAL OF HIGH ENERGY PHYSICS, sa.4, 2013 (SCI-Expanded)
- CCXCIV. **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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- CCXCV. **Search for pair-produced dijet resonances in four-jet final states in pp collisions at root s=7 TeV**
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- CCXCVI. **Measurement of the t(t)over-bar production cross section in the tau plus jets channel in pp collisions at root s=7 TeV**
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- CCXCVII. **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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- CCXCVIII. **Identification of b-quark jets with the CMS experiment**
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- CCXCIX. **Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC**
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PHYSICAL REVIEW D, cilt.87, sa.7, 2013 (SCI-Expanded)
- CCC. **Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at root s=7 TeV**
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- CCCI. **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., Eroe J., Fabjan C., et al.
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- CCCII. **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**

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PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- CCCIII. **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., Eroev J., Fabjan C., et al.
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- 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., Eroev J., Fabjan C., et al.
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- CCCIV. **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., Eroev J., Fabjan C., et al.
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- CCCVI. **Search for excited leptons in pp collisions at root $s=7$ TeV**
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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**
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- CCCVIII. **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., Eroev J., Fabjan C., et al.
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- CCCIX. **Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at root $s=7$ TeV**
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- CCCX. **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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- CCCXI. **Search for contact interactions in $\mu(+)\mu(-)$ events in pp collisions at root $s = 7$ TeV**
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- CCCXII. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at root $s = 7$ TeV**
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- CCCXIII. **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., Eroev J., Fabjan C., et al.

- PHYSICAL REVIEW LETTERS, cilt.110, sa.8, 2013 (SCI-Expanded)
- CCCXIV. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at root s=7 TeV**
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- CCCXV. **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., Eroev J., Fabjan C., et al.
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- CCCXVI. **Search for exotic resonances decaying into WZ/ZZ in pp collisions at root s=7 TeV**
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- CCCXVII. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the q(q)over-barl(+)l(-) final state**
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- CCCXVIII. **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., Eroev J., Fabjan C., et al.
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- CCCXIX. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at root s=7 TeV**
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- CCCXX. **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**
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- CCCXXI. **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)**
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- CCCXXII. **Search for a W ' boson decaying to a bottom quark and a top quark in pp collisions at root s=7 TeV**
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- CCCXXIII. **Measurement of the ZZ production cross section and search for anomalous couplings in 2l2l' final states in pp collisions at root s=7 TeV**
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- CCCXXIV. **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., Eroë J., Fabjan C., Friedl M., et al.
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- CCCXXV. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root s=7 TeV**
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- CCCXXVI. **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., Eroë J., Fabjan C., Friedl M., et al.
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- CCCXXVII. **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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- :CCXXVIII. **Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at root s=7 TeV**
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- CCCXXIX. **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., Eroë J., Fabjan C., et al.
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- CCCXXX. **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.
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- CCCXXXI. **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., Eroë J., Fabjan C., et al.
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- CCCXXXII. **Search for resonant t(t)over-bar production in lepton 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., Eroë J., Fabjan C., et al.
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- :CCXXXIII. **Search for three-jet resonances in pp collisions at root s=7 TeV**
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- :CCXXXIV. **Combined search for the quarks of a sequential fourth generation**
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- CCCXXXV. **Measurement of the single-top-quark t-channel cross section in pp collisions at root s=7 TeV**
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- 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**
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- CCXXXVII. **Observation of Z decays to four leptons with the CMS detector at the LHC**
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- :CXXXVIII. **A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider**
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- CCCXCVII. **Measurement of isolated photon production in pp and PbPb collisions at root $s(\text{NN})=2.76 \text{ TeV}$**
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- CCCXCVIII. **Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at root $s=7 \text{ TeV}$**
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- CCCXCIX. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in pp collisions at root $s=7 \text{ TeV}$**
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- CDI. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root $s=7 \text{ TeV}$**
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- CDII. **Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow l^{+}l^{-}\tau^{+}\tau^{-}$ decay channel in pp collisions at root $s=7 \text{ TeV}$**
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- CDIII. **Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV**
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- CDIV. **Study of high-p(T) charged particle suppression in PbPb compared to pp collisions at root s(NN)=2.76 TeV**
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- CDV. **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**
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- CDVI. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at root(s)=7 TeV**
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