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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. **Searches for Pair-Produced Multijet Resonances Using Data Scouting in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV**  
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.  
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- II. **Search for Soft Unclustered Energy Patterns in Proton-Proton Collisions at 13 TeV**  
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- III. **Performance of the CMS high-level trigger during LHC Run 2**  
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- IV. **Measurement of the polarizations of prompt and non-prompt  $[Formula\ presented]$  and  $\psi(2S)$  mesons produced in pp collisions at  $s=13$ TeV**  
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- V. **Observation of double  $[Formula\ Presented]$  meson production in  $[Formula\ Presented]$  collisions at  $[Formula\ Presented]$**   
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- VI. **Search for the Z Boson Decay to  $\tau\tau\mu\mu$  in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV**  
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Hussain P., Jeitler M., et al.  
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- VII. **Exploring atmospheric neutrino oscillations at ESSnuSB**  
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- VIII. **Measurement of the  $B_s^0 \rightarrow J/\psi K_S^0$  effective lifetime from proton-proton collisions at  $s = 13$  TeV**  
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- IX. **Search for a resonance decaying to a W boson and a photon in proton-proton collisions at  $s = 13$  TeV using leptonic W boson decays**  
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- XI. **Search for new physics in high-mass diphoton events from proton-proton collisions at  $s = 13$  TeV**  
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- XII. **Search for dark QCD with emerging jets in proton-proton collisions at  $s = 13$  TeV**  
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- XIII. **Observation of the Formula Presented decay in proton-proton collisions at Formula Presented**  
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- XIV. **Study of nonstandard interactions mediated by a scalar field at the ESSnuSB experiment**  
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- XVI. **Search for a light charged Higgs boson in the  $H \rightarrow \mu^+ \mu^-$  channel in proton-proton collisions at root  $s=13$  TeV**  
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- XVII. **Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at root  $s=13$  TeV**  
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- XVIII. **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.  
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- XIX. **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**  
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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**  
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- XXI. **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**  
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- XXII. **Search for resonant pair production of Higgs bosons in the bbZZ channel in proton-proton collisions at root s=13 TeV**  
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- XXIII. **Measurements of (tt)over-barH Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel**  
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- XXIV. **Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at root s=8 TeV**  
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- XXV. **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**  
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- XXVI. **Measurement of the cross section for t(t)over-bar production with additional jets and b jets in pp collisions at root s=13TeV**  
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- XXVII. **Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV**  
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- XXVIII. **The production of isolated photons in PbPb and pp collisions at root s(NN)=5.02 TeV**  
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- XXIX. **Search for disappearing tracks in proton-proton collisions at root s=13 TeV**  
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- XXX. **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**

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

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**XXXII. 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., Eroe J., Del Valle A. E., Flechl M., et al.

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

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**XXXIV. 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.

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**XXXV. 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**

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**XXXVI. 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., Eroe J., Del Valle A. E., et al.

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**XXXVII. Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at root s=13 TeV and constraints on anomalous quartic couplings**

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

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**XXXIX. 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**

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**XL. 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**

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**XLI. Search for direct top squark pair production in events with one lepton, jets, and missing transverse**

**momentum at 13 TeV with the CMS experiment**

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- XLII. **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**  
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- XLIII. **Beyond nPDFs effects : Prompt J/psi and psi(2S) production in pPb and pp collisions**  
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- XLIV. **Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV**  
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- XLV. **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.  
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- XLVI. **Search for the chiral magnetic effect at the LHC with the CMS experiment**  
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- XLVII. **Multiparticle correlations and higher order harmonics in pPb collisions at  $\sqrt{s(NN)}=8.16$  TeV**  
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- XLVIII. **Measurement of differential cross sections for Z boson pair production in association with jets at  $\sqrt{s}=8$  and 13 TeV**  
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- XLIX. **Fragmentation of J/psi in jets in pp collisions at  $\sqrt{s}=5.02$  TeV** Batoul Diab for the CMS collaboration  
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- L. **Non-Gaussian elliptic-flow fluctuations in PbPb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
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- LI. **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**  
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- LII. **Search for Higgsino pair production in pp collisions at  $\sqrt{s}=13$  TeV in final states with large missing transverse momentum and two Higgs bosons decaying via  $H \rightarrow b(\bar{b})$**

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**LIII. 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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**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., Eroe J., et al.

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**LV. Constraint on 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.

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**LVI. 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.

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**LVII. 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.

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**LVIII. Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks**

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**LIX. Measurements of the associated production of a Z boson and b jets in pp collisions at root s=8 TeV**

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**LX. Particle-flow reconstruction and global event description with the CMS detector**

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**LXI. 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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- CXX. **Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
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- CXXI. **Measurement of the WZ production cross section in pp collisions at  $\sqrt{s}=13$  TeV**  
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- CXXII. **Search for massive resonances decaying in to WW,WZ or ZZ bosons in proton-proton collisions at  $\sqrt{s}=13$  TeV**  
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- CXXIII. **Measurement of the  $t(\bar{t})$  production cross section using events in the e mu final state in pp collisions at  $\sqrt{s}=13$  TeV**  
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- CXXIV. **Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV**  
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- CXXV. **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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- CXXVI. **Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically**

**decaying tau leptons and two jets 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.

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**CXXVII. Evidence for collectivity in pp collisions at the LHC**

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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**CXXVIII. 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**

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.2, 2017 (SCI-Expanded)

**CXXIX. Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at root s=13 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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**CXXX. 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., Eroe J., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.77, sa.2, 2017 (SCI-Expanded)

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

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

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**CXXXIII. Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents 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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**CXXXIV. Jet energy scale and resolution in the CMS experiment in pp collisions at 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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**CXXXV. Measurements of the t(t)over-bar production cross section in lepton plus jets final states in pp collisions at 8 and ratio of 8 to 7 cross sections**

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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**CXXXVI. The CMS trigger system**

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**CXXXVII. Search for supersymmetry in events with one lepton and multiple jets 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., Eroo J., et al.

PHYSICAL REVIEW D, cilt.95, sa.1, 2017 (SCI-Expanded)

**CXXXVIII. 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**

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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**CXXXIX. Observation of the decay B+ -> psi(2S)phi(1020)K+ 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.

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**CXL. Search for R-parity violating supersymmetry with displaced vertices 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., Eroo J., et al.

PHYSICAL REVIEW D, cilt.95, sa.1, 2017 (SCI-Expanded)

**CXLI. Inclusive search for supersymmetry using razor variables 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., Eroo J., et al.

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**CXLII. 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., Eroo J., et al.

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**CXLIII. Measurement of the mass of the top quark in decays with a J/psi meson in pp collisions 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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**CXLIV. Measurement of the ZZ production cross section and Z -> 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., Eroo J., et al.

PHYSICS LETTERS B, cilt.763, ss.280-303, 2016 (SCI-Expanded)

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

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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**

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.94, sa.11, 2016 (SCI-Expanded)

**CXLVII. 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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- CXLVIII. **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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- CXLIX. **Search for dark matter particles in proton-proton collisions at root 8 = TeV using the razor variables**  
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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- CL. **Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 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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- CLI. **Search for long-lived charged particles 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., Ero J., et al.  
PHYSICAL REVIEW D, cilt.94, sa.11, 2016 (SCI-Expanded)
- CLII. **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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- CLIII. **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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- CLIV. **Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at root s(NN)=2.76 TeV**  
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- CLV. **Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter**  
Khachatryan V., Sirunyan A. M., Tumasyan A., Litomin A., Mossolov V., Shumeiko N., Van de Klundert M., Van Haeevermaet H., Van Mechelen P., Van Spilbeeck A., et al.  
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- CLVI. **Phenomenological MSSM interpretation of CMS searches in pp collisions at root s=7 and 8 TeV**  
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- CLVII. **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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- CLVIII. **Upsilon (nS) polarizations versus particle multiplicity in pp collisions at root s=7 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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- CLIX. **Measurement of the integrated and differential  $t(\bar{t})$  production cross sections for high- $p(T)$  top quarks 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.  
 PHYSICAL REVIEW D, cilt.94, sa.7, 2016 (SCI-Expanded)
- CLX. **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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- CLXI. **Search for s channel single top quark production in pp collisions at  $\sqrt{s}=7$  and 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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- CLXII. **Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at  $\sqrt{s}=7$  and 8 TeV**  
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 PHYSICAL REVIEW D, cilt.94, sa.5, 2016 (SCI-Expanded)
- CLXIII. **Measurement of the Z  $\gamma \rightarrow \nu(\bar{\nu})\gamma$  production cross section in pp collisions at  $\sqrt{s}=8$  TeV and limits on anomalous ZZ  $\gamma$  and Z  $\gamma$   $\gamma$  trilinear gauge boson couplings**  
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 PHYSICS LETTERS B, cilt.760, ss.448-468, 2016 (SCI-Expanded)
- CLXIV. **Measurements of  $t(\bar{t})$  charge asymmetry using dilepton final states in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CLXV. **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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- CLXVI. **Measurement of dijet azimuthal decorrelation in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CLXVII. **Search for R-parity violating decays of a top squark in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
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- CLXVIII. **Study of Z boson production in pPb collisions at  $\sqrt{s_{NN}}=5.02$  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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- CLXIX. **Search for neutral resonances decaying into a Z boson and a pair of b jets or tau leptons**  
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- CLXX. **Combined search for anomalous pseudoscalar HW couplings in  $VH(H \rightarrow b(\bar{b}))$  production**

**and H  $\rightarrow$  VV decay**

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- CLXXI. **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., Ero J., et al.  
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- CLXXII. **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., Ero J., et al.  
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- CLXXIII. **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.  
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- CLXXIV. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at root s=8TeV**  
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- CLXXV. **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**  
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- CLXXVI. **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.  
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- CLXXVII. **Measurement of the differential cross section and charge asymmetry for inclusive pp  $\rightarrow$  W-+/- + X production at root s=8 TeV**  
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- CLXXVIII. **Evidence for exclusive gamma gamma  $\rightarrow$  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., Ero J., et al.  
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- CLXXIX. **Measurement of the double-differential inclusive jet cross section in proton-proton collisions at root s=13TeV**  
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- CLXXX. **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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- CLXXXI. **Search for Narrow Resonances in Dijet Final States at root  $s=8$  TeV with the Novel CMS Technique of Data Scouting**  
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- CLXXXII. **Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV**  
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- CLXXXIII. **Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks**  
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- CLXXXIV. **Measurement of the  $W+W^-$  cross section in pp collisions at root  $s=8$  TeV and limits on anomalous gauge couplings**  
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- CLXXXV. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at root  $s=8$  TeV**  
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- CLXXXVI. **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 root  $S=8$  TeV**  
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- CLXXXVII. **Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at root  $s=8$  and 13 TeV**  
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- :LXXXVIII. **Search for a low-mass pseudoscalar Higgs boson produced in association with a  $b(b)\bar{b}$  pair 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.758, ss.296-320, 2016 (SCI-Expanded)
- CLXXXIX. **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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- CXC. **Measurement of  $t(\bar{t})$  production with additional jet activity, including b quark jets, in the dilepton decay channel using 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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- CXCI. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at root  $s=8$  TeV**

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- CXCII. **Search for pair-produced vectorlike B quarks in proton-proton collisions at root s=8 TeV**  
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- CXCIII. **Inclusive and differential measurements of the  $t(\bar{t})$  over-bar 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., Eroo J., et al  
PHYSICS LETTERS B, cilt.757, ss.154-179, 2016 (SCI-Expanded)
- CXCIV. **Search for lepton flavour violating decays of heavy resonances and quantum black holes to an e mu pair in proton-proton collisions at root s=8 TeV**  
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- CXCV. **Measurement of the CP-violating weak phase  $\phi(s)$  and the decay width difference  $\Delta\Gamma(s)$  using the  $B\text{-}s(0) \rightarrow J/\psi\phi(1020)$  decay channel in pp collisions at root s=8 TeV**  
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- CXCVI. **Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at root s=8 TeV**  
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- CXCVII. **Measurement of the inclusive jet cross section in pp collisions at root s=2.76 TeV**  
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- CXCVIII. **Search for supersymmetry in pp collisions at root s=8 TeV in final states with boosted W bosons and b jets using razor variables**  
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- CXCIX. **Measurement of the top quark mass using charged particles in pp collisions at root s=8 TeV**  
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- CC. **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**  
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- CCII. **Measurement of the top quark mass using proton-proton data at root(s)=7**

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- CCIII. **Search for  $W'$  decaying to tau lepton and neutrino in proton-proton collisions at root  $s=8$  TeV**  
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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**  
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- CCV. **Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at root  $s=13$  TeV**  
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- CCVI. **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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- CCVII. **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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- CCVIII. **Search for new phenomena in monophoton final states in proton-proton collisions at root  $s=8$  TeV**  
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- CCIX. **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.  
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- CCXI. **Event generator tunes obtained from underlying event and multiparton scattering measurements**  
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- CCXII. **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., Eroo J., et al.  
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- CCXIII. **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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- PHYSICAL REVIEW D, cilt.93, sa.5, 2016 (SCI-Expanded)
- CCXIV. **Transverse momentum spectra of inclusive b jets in pPb collisions at  $\sqrt{s(NN)}=5.02$  TeV**  
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- CCXV. **Measurement of the  $t\bar{t}$  production cross section in the all-jets final state in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CCXVI. **Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
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- CCXVII. **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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- CCXVIII. **Search for pair production of first and second generation leptoquarks in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
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- CCXIX. **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.  
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- CCXX. **Search for  $W^- \rightarrow t\bar{b}$  in proton-proton collisions at  $\sqrt{s}=8$  TeV**  
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- CCXXI. **Angular analysis of the decay  $B^0 \rightarrow K^*(0)\mu^+\mu^-$  from pp collisions at  $\sqrt{s}=8$  TeV**  
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- CCXXII. **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)
- CCXXIII. **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.  
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- CCXXIV. **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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- CCXXV. **Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV**

**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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**CCXXVI. Search for single production of scalar 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., Ero J., et al.

PHYSICAL REVIEW D, cilt.93, sa.3, 2016 (SCI-Expanded)

**CCXXVII. Search for a Higgs boson decaying into  $\gamma^*\gamma \rightarrow l l \gamma$  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., Ero J., et al.

PHYSICS LETTERS B, cilt.753, ss.341-362, 2016 (SCI-Expanded)

**CCXXVIII. 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., Ero J., et al.

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**CCXXIX. 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., Ero J., et al.

PHYSICS LETTERS B, cilt.752, ss.221-246, 2016 (SCI-Expanded)

**CCXXX. 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., Ero J., et al.

PHYSICS LETTERS B, cilt.752, ss.146-168, 2016 (SCI-Expanded)

**CCXXXI. Search for the production of an excited bottom quark decaying to  $tW$  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., Ero J., et al.

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**CCXXXII. 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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**CCXXXIII. 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., Ero J., et al.

JOURNAL OF INSTRUMENTATION, cilt.11, 2016 (SCI-Expanded)

**CCXXXIV. Search for resonant  $t(\bar{t})$  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., Ero J., et al.

PHYSICAL REVIEW D, cilt.93, sa.1, 2016 (SCI-Expanded)

**CCXXXV. 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., Ero J., et al.

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**CCXXXVI. 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., Eroo J., et al.  
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- CCXXXVII. **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 root s=8TeV**  
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- :CXXXVIII. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at root s=8TeV**  
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- CCXXXIX. **Search for a light charged Higgs boson decaying to c(s)over-bar in pp collisions at root s=8 TeV**  
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- CCXL. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at root s=13TeV**  
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- CCXLI. **Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at root s=8 TeV**  
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- CCXLII. **Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at root s=8 TeV**  
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- CCXLIII. **Search for a charged Higgs boson in pp collisions at root s=8 TeV**  
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- CCXLIV. **Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at root s=8TeV**  
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- CCXLV. **Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks**  
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- CCXLVI. **Study of W boson production in pPb collisions at root(NN)-N-S=5.02 TeV**  
Adam W., Bergauer T., Dragicevic M., Eroo J., Friedl M., Fruehwirth R., Ghete V. M., Hartl C., Hoermann N., Hrubec J., et al.  
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- CCXLVII. **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., Eroo J., Friedl M., Fruehwirth R.,



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- CCXLVIII. **Measurement of the differential cross section for top quark pair production in pp collisions at root s=8TeV**  
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- CCXLIX. **Comparison of the Z/gamma\* plus jets to gamma plus jets cross sections in pp collisions at root s=8 TeV**  
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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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- CCLI. **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**  
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- CCLII. **Limits on the Higgs boson lifetime and width from its decay to four charged leptons**  
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- CCLIII. **Search for supersymmetry with photons in pp collisions at root s=8 TeV**  
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- CCLIV. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**  
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- CCLV. **Search for a Higgs boson decaying into a Z and a photon in pp collisions at root s=7 and 8 TeV**  
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- CCLVI. **Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV**  
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- CCLVIII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**

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- CCLIX. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**  
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- CCLX. **Angular analysis and branching fraction measurement of the decay  $B-0 \rightarrow K^*(0)\mu(+)\mu(-)$**   
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- CCLXI. **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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- CCLXII. **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.  
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- CCLXIII. **Measurement of the W-boson helicity in top-quark decays from  $t(\bar{t})$  production in lepton plus jets events in pp collisions at root s=7 TeV**  
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- CCLXIV. **Measurement of the W+W- cross section in pp collisions at and limits on anomalous WW gamma and WWZ couplings**  
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- CCLXV. **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 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.  
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- CCLXVI. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV**  
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- CCLXVII. **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.  
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- CCLXVIII. **Interpretation of searches for supersymmetry with simplified models**  
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- CCLXIX. **Search for supersymmetry in hadronic final states with missing transverse energy using the variables  $\alpha(T)$  and b-quark multiplicity in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CCLXX. **Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCLXXI. **Measurement of neutral strange particle production in the underlying event in proton-proton collisions at  $\sqrt{s}=7$  TeV**  
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- CCLXXII. **Searches for Higgs bosons in pp collisions at  $\sqrt{s}=7$  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., Eroe J., Fabjan C., et al.  
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- CCLXXIII. **Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at  $\sqrt{s}=7$  TeV**  
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- CCLXXIV. **Measurement of masses in the  $t(\tilde{t})$  system by kinematic endpoints in pp collisions at  $\sqrt{s}=7$  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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- CCLXXV. **Searches for long-lived charged particles in pp collisions at  $\sqrt{s}=7$  and 8 TeV**  
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- CCLXXVI. **Study of exclusive two-photon production of  $W+W^-$  in pp collisions at  $\sqrt{s}=7$  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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- CCLXXVII. **Search for physics beyond the standard model in events with tau leptons, jets, and large transverse momentum imbalance in pp collisions at  $\sqrt{s}=7$  TeV**  
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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- CCLXXVIII. **Search for microscopic black holes in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CCLXXIX. **Measurement of the  $\Lambda(0)(b)$  lifetime in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCLXXX. **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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- CCLXXXI. **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.  
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- CCLXXXII. **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., Eroë J., Fabjan C., Friedl M., et al.  
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- :CLXXXIII. **Search for narrow resonances using the dijet mass spectrum in pp collisions at root s=8 TeV**  
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- :CLXXXIV. **Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV**  
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- CCLXXXV. **Observation of a new boson with mass near 125 GeV in pp collisions at root s=7 and 8 TeV**  
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- :CLXXXVI. **Measurement of the inelastic proton-proton cross section at root s=7 TeV**  
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- CLXXXVII. **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., Eroë J., Fabjan C., et al.  
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- :LXXXVIII. **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., Eroë J., Fabjant C., et al.  
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- :CLXXXIX. **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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- CCXC. **Search for supersymmetry in pp collisions at root s=7 TeV in events with a single lepton, jets, and missing transverse momentum**  
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- CCXCI. **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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- CCXCII. **Event shapes and azimuthal correlations in Z plus jets events in pp collisions at root s=7 TeV**  
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- CCXCIII. **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., Eroev J., Fabjan C., et al.  
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- CCXCIV. **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.  
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- CCXCV. **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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- CCXCVI. **Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network**  
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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**  
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- CCXCVIII. **Study of the underlying event at forward rapidity in pp collisions at root s=0.9, 2.76, and 7 TeV**  
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- CCXCIX. **Search for Z ' resonances decaying to t(t)-bar in dilepton plus jets final states in pp collisions at root s=7 TeV**  
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- 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. **Measurement of the X(3872) production cross section via decays to J/psi pi(+)pi(-) in pp collisions at root s=7 TeV**  
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- CCCII. **Measurement of the W+W- and ZZ production cross sections in pp collisions at root s=8 TeV**

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- CCCIII. **Measurement of the  $t(\bar{t})$  over-bar production cross section in the tau plus jets channel in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCIV. **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., Eroev J., Fabjan C., et al.  
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- CCCIV. **Search for pair-produced dijet resonances in four-jet final states in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCVI. **Search for contact interactions using the inclusive jet  $p(T)$  spectrum in pp collisions at  $\sqrt{s}=7$  TeV**  
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PHYSICAL REVIEW D, cilt.87, sa.5, 2013 (SCI-Expanded)
- CCCVII. **Search for heavy narrow dilepton resonances in pp collisions at  $\sqrt{s}=7$  TeV and  $\sqrt{s}=8$  TeV**  
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- CCCVIII. **Search for excited leptons in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCIX. **Measurement of differential top-quark-pair production cross sections in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCX. **Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXI. **Search for new physics in events with same-sign dileptons and b jets in pp collisions at  $\sqrt{s}=8$  TeV**  
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- CCCXII. **Measurement of the  $t(\bar{t})$  over-bar production cross section in pp collisions at  $\sqrt{s}=7$  TeV with lepton plus jets final states**  
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- CCCXIII. **Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXIV. **Search for contact interactions in  $\mu(+)\mu(-)$  events in pp collisions at  $\sqrt{s} = 7$  TeV**  
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- CCCXV. **Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXVI. **Search in leptonic channels for heavy resonances decaying to long-lived neutral particles**  
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- CCCXVII. **Search for exotic resonances decaying into  $WZ/ZZ$  in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXVIII. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXIX. **Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs**  
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- CCCXX. **Measurement of the sum of WW and WZ production with W plus dijet events in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXXI. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at  $\sqrt{s} 7$  TeV**  
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- CCCXXII. **Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV**  
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- CCCXXIII. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXXIV. **Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXXV. **Search for a  $W^+$  boson decaying to a bottom quark and a top quark in pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXXVI. **Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the  $q(\bar{q})l(+)l(-)$  final state**  
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- CCCXXVII. **Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or  $\geq 3$  b-quark jets in 7 TeV pp collisions using the variable  $\alpha(T)$**   
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- CCCXXVIII. **Observation of long-range, near-side angular correlations in pPb collisions at the LHC**  
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- CCCXXX. **Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at  $\sqrt{s}=7$  TeV**  
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- CCCXLIII. **Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at root s=7 TeV**  
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Diğer, Cern

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