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Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1986 - 1992

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Türkiye 1983 - 1986

Lisans, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, Türkiye 1979 - 1983

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Fizik, Atom ve Molekül Fiziği, Nükleer Fizik, Temel Parçacıklar ve Alanlar , Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2001 - Devam Ediyor

Doç.Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1995 - 2001

Yrd.Doç.Dr., Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1993 - 1995

Araştırma Görevlisi, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 1985 - 1993

Akademik İdari Deneyim

Çukurova Üniversitesi, 2016 - Devam Ediyor

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Çukurova Üniversitesi, Fen Edebiyat Fakültesi , Fizik, 2002 - 2011

Yönetilen Tezler

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POLATÖZ A., On the Testing of CMS Tracker Outer Barrel Silicon Microstrip Dedector Modules, Doktora, K.Söğüt(Öğrenci), 2005

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Search for the lepton flavor violating $\tau \rightarrow 3\mu$ decay 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 an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle 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., Escalante Del Valle A., Hussain P., et al.
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- III. **Observation of WW γ Production and Search for Hy Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV**
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- IV. **New Structures in the Formula Presented Mass Spectrum in Proton-Proton Collisions at Formula Presented**
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- V. **Measurements of azimuthal anisotropy of nonprompt D0 mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV**
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- VI. **Study of azimuthal anisotropy of $\Upsilon(1S)$ mesons in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**
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- VII. **Search for new Higgs bosons via same-sign top quark pair production in association with a jet 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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- VIII. **Search for Scalar Leptoquarks Produced via τ -Lepton-Quark Scattering in pp Collisions at $\sqrt{s}=13$ TeV**
Hayrapetyan A., Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., et al.
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- IX. **Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at Formula Presented TeV**
Tumasyan A., Adam W., Andrejkovic J., Bergauer T., Chatterjee S., Damanakis K., Dragicevic M., Escalante Del Valle A., Hussain P., Jeitler M., et al.
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- X. **Muon identification using multivariate techniques in the CMS experiment in proton-proton collisions at $\sqrt{s} = 13$ TeV**
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- XI. **Search for Inelastic Dark Matter in Events with Two Displaced Muons and Missing Transverse Momentum 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., Del Valle A. E., Frühwirth R., et al.
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- XII. **Evidence for the Higgs Boson Decay to a Z Boson and a Photon at the LHC**
Aad G., Abbott B., Abeling K., Abicht N., Abidi S., Aboulhorma A., Abramowicz H., Abreu H., Abulaiti Y., Acharya B., et al.
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- XIII. **Measurement of the τ lepton polarization in Z boson decays in proton-proton collisions at (Formula presented.)**
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- XIV. **Measurement of the production cross section for a W boson in association with a charm quark in proton-proton collisions at $\sqrt{s}=13$ TeV**
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- XV. **Luminosity determination using Z boson production at the CMS experiment**
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- XVI. **Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV**
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Valle A. E., et al.

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XVII. Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at root s=13 TeV

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XVIII. Dependence of inclusive jet production on the anti-k(T) distance parameter in pp collisions at root s=13 TeV

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XIX. Observation of electroweak production of W gamma with two jets in proton-proton collisions at root s=13 TeV

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

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XXI. Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC

POLATÖZ A., KAYIŞ TOPAKSU A., DUMANOĞLU İ., Collaboration C.

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XXII. Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks

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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XXIII. Measurement of the WZ production cross section in pp collisions at root s=7 and 8 TeV and search for anomalous triple gauge couplings at root s=8 TeV

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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XXIV. Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at root s=8 TeV

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

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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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XXVII. 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., Eroe J., et al.
PHYSICAL REVIEW D, cilt.94, sa.11, 2016 (SCI-Expanded)
- XXVIII. **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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- XXIX. **Phenomenological MSSM interpretation of CMS searches in pp collisions at root s=7 and 8 TeV**
Chatrchyan S., Khachtryan V., Sirunyan A., Tumasyan A., Wolfgang A., Asiler E., Bergauer T., Brandstetter J., DUMANOĞLU İ., EŞKUT E., et al.
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- XXX. **Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter**
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- XXXI. **Search for s channel single top quark production in pp collisions at root s=7 and 8 TeV**
POLATÖZ A., EŞKUT E., Collaboration C.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.9, sa.27, ss.1-10, 2016 (SCI-Expanded)
- XXXII. **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.
JOURNAL OF HIGH ENERGY PHYSICS, cilt.9, sa.51, ss.1-25, 2016 (SCI-Expanded)
- XXXIII. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at root S = 8 TeV**
Khachtryan V., Albert S., Tumasyan A., Wolfgang A., Ece A., Bergauer T., Brandstetter J., Brondolin E., DUMANOĞLU İ., POLATÖZ A., et al.
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- XXXIV. **Measurements of t(t)over-bar charge asymmetry using dilepton final states in pp collisions at root s=8 TeV**
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PHYSICS LETTERS B, cilt.760, ss.365-386, 2016 (SCI-Expanded)
- XXXV. **Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICS LETTERS B, cilt.759, ss.479-500, 2016 (SCI-Expanded)
- XXXVI. **Measurement of the W+W- cross section in pp collisions at root s=8 TeV and limits on anomalous gauge couplings**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
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- XXXVII. **Search for a low-mass pseudoscalar Higgs boson produced in association with a b(b)over-bar 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)
- XXXVIII. **Forward-backward asymmetry of Drell-Yan lepton pairs 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.

EUROPEAN PHYSICAL JOURNAL C, cilt.76, sa.6, 2016 (SCI-Expanded)

- XXXIX. **Inclusive and differential measurements of the $t(\bar{t})$ over-bar charge asymmetry in pp collisions at $\sqrt{s}=8$ TeV**

EŞKUT E., POLATÖZ A., DUMANOĞLU İ.

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- XL. **Search for supersymmetry in pp collisions at $\sqrt{s}=8$ 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., Eroglu J., et al.

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- XLI. **Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=2.76$ TeV**

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- XLII. **Measurement of the ratio $B(B \rightarrow J/\psi f(0)(980))/B(B \rightarrow J/\psi \phi(1020))$ in pp collisions at $\sqrt{s}=7$ TeV**

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- XLIII. **Comparison of the $Z/\gamma^* +$ jets to $\gamma +$ jets cross sections in pp collisions at $\sqrt{s} = 8$ (vol 10, 128, 2015)**

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- XLIV. **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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- XLV. **Search for massive WH resonances decaying into the $l \nu b(\bar{b})$ final state at $\sqrt{s}=8$ TeV**

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- XLVI. **Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8$ TeV**

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- XLVII. **Search for $W' \rightarrow tb$ in proton-proton collisions at $\sqrt{s}=8$ TeV**

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- XLVIII. **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**

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- XLIX. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV**

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- L. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV**

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- LI. **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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- LII. **Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV**
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- LIII. **Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at root s=8TeV**
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- LIV. **Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Bergauer T., Dragicevic M., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A.
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- LV. **Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings**
Khachtryan V., Sirunyan A., Tumasyan A., Wolfgang A., Bergauer T., Dragicevic M., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A.
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- LVI. **Search for Monotop Signatures in Proton-Proton Collisions at root s=8 TeV**
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- LVII. **Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV**
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- LVIII. **Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at root s=7TeV**
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- LX. **Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV**
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- LXXI. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
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- LXXVII. **Interpretation of searches for supersymmetry with simplified models**
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- LXXXII. **Measurement of masses in the t(t)over-tilde system by kinematic endpoints in pp collisions at root s=7 TeV**
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- LXXXIII. **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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- LXXXIX. **Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum**
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- XC. **Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=7$ TeV**
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- XCI. **Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s}=7$ TeV**
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- XCII. **Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV**
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- XCV. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) Polarizations in pp Collisions at $\sqrt{s}=7$ TeV**
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XCVI. Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at $\sqrt{s}=7$ TeV

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

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

PHYSICS LETTERS B, cilt.718, sa.3, ss.815-840, 2013 (SCI-Expanded)

XCVIII. Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV

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

PHYSICAL REVIEW C, cilt.87, sa.1, 2013 (SCI-Expanded)

XCIX. Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s-NN}=2.76$ TeV

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

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C. Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q(q)\overline{b}l^{(+)}l^{(-)}$ final state

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

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CI. Search for a W^+ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s}=7$ TeV

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

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CII. Observation of long-range, near-side angular correlations in pPb collisions at the LHC

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CIII. Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV

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

PHYSICAL REVIEW D, cilt.87, sa.1, 2013 (SCI-Expanded)

CIV. Studies of jet quenching using isolated-photon plus jet correlations in PbPb and pp collisions at $\sqrt{s(NN)}=2.76$ TeV

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CV. Evidence for Associated Production of a Single Top Quark and W Boson 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., Eroee J., Fabjan C., et al.

PHYSICAL REVIEW LETTERS, cilt.110, sa.2, 2013 (SCI-Expanded)

CVI. 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., Eroev J., Fabjan C., et al.

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- CVII. Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism**

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PHYSICS LETTERS B, cilt.718, sa.2, ss.348-368, 2012 (SCI-Expanded)

- CVIII. Observation of Z decays to four leptons with the CMS detector at the LHC**

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JOURNAL OF HIGH ENERGY PHYSICS, sa.12, 2012 (SCI-Expanded)

- CIX. Search for three-jet resonances 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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- CX. Search for pair produced fourth-generation up-type quarks in pp collisions at root s=7 TeV with a lepton in the final state**

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- CXI. A search for a doubly-charged Higgs boson in pp collisions at root s=7 TeV**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.11, 2012 (SCI-Expanded)

- CXII. Search for a W ' or Techni-rho Decaying into WZ 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.

PHYSICAL REVIEW LETTERS, cilt.109, sa.14, 2012 (SCI-Expanded)

- CXIII. Search for heavy Majorana neutrinos in mu(+/-)mu(+/-) + jets and e(+/-)e(+/-) + jets events in pp collisions at root s=7 TeV**

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

PHYSICS LETTERS B, cilt.717, ss.109-128, 2012 (SCI-Expanded)

- CXIV. Measurement of the top-quark mass in t(t)over-bar events with dilepton final states in pp collisions at root s=7 TeV**

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

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.10, 2012 (SCI-Expanded)

- CXV. Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV**

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

PHYSICAL REVIEW D, cilt.86, sa.7, 2012 (SCI-Expanded)

- CXVI. Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at root s=7 TeV**

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

PHYSICAL REVIEW LETTERS, cilt.109, sa.17, 2012 (SCI-Expanded)

- CXVII. Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at root s(NN)=2.76 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.109, sa.15, 2012 (SCI-Expanded)

CXVIII. Performance of CMS muon reconstruction in pp collision events at root s=7TeV

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.7, 2012 (SCI-Expanded)

CXIX. Study of the inclusive production of charged pions, kaons, and protons 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., Eroo J., Fabjan C., et al.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.10, 2012 (SCI-Expanded)

CXX. Inclusive and differential measurements of the t(t)over-bar charge asymmetry in proton-proton collisions 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.717, ss.129-150, 2012 (SCI-Expanded)

CXXI. Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy 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.

PHYSICS LETTERS B, cilt.716, sa.2, ss.260-284, 2012 (SCI-Expanded)

CXXII. Measurement of the underlying event in the Drell-Yan process 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.

EUROPEAN PHYSICAL JOURNAL C, cilt.72, sa.9, 2012 (SCI-Expanded)

CXXIII. Search for high-mass resonances decaying into tau-lepton pairs in pp collisions at root s=7 TeV

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

PHYSICS LETTERS B, cilt.716, sa.1, ss.82-102, 2012 (SCI-Expanded)

CXXIV. Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel 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.

PHYSICAL REVIEW LETTERS, cilt.109, sa.12, 2012 (SCI-Expanded)

CXXV. Measurement of the Electron Charge Asymmetry in Inclusive W Production 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.

PHYSICAL REVIEW LETTERS, cilt.109, sa.11, 2012 (SCI-Expanded)

CXXVI. Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at root s=7 TeV

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

PHYSICS LETTERS B, cilt.716, sa.1, ss.103-121, 2012 (SCI-Expanded)

CXXVII. Observation of a new boson at a mass of 125 GeV with the CMS experiment 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.

PHYSICS LETTERS B, cilt.716, sa.1, ss.30-61, 2012 (SCI-Expanded)

CXXVIII. Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at

root s=7 TeV

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

PHYSICAL REVIEW D, cilt.86, sa.5, 2012 (SCI-Expanded)

CXXIX. Study of W boson production in PbPb and pp collisions at root s(NN)=2.76 TeV

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CXXX. Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy

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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CXXXI. Search for narrow resonances in dilepton mass spectra in pp collisions at root s=7 TeV CMS Collaboration

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PHYSICS LETTERS B, cilt.714, ss.158-179, 2012 (SCI-Expanded)

CXXXII. Measurement of the Lambda(b) cross section and the (Lambda)over-bar(b) to Lambda(b) ratio with J/psi Lambda decays in pp collisions at root s=7 TeV CMS Collaboration

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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CXXXIII. Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at root S-NN=2.76 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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CXXXIV. Search for heavy long-lived charged particles 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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CXXXV. Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy

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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CXXXVI. Measurement of the t(t)over-bar production cross section in pp collisions at root s=7 TeV in dilepton final states containing a tau

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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CXXXVII. Search for neutral Higgs bosons decaying to tau pairs in pp collisions at root s=7 TeV

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CXXXIX. Measurement of the mass difference between top and antitop quarks

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CXL. Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV

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CXLI. Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV

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CXLII. Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s}=7$ TeV

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CXLIII. Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s(NN)}=2.76$ TeV

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CXLIV. Search for microscopic black holes in pp collisions at $\sqrt{s}=7$ TeV

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CXLV. Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s}=7$ TeV

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CXLVI. Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s}=7$ TeV

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CXLVII. Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q(\bar{q})\ell(\bar{\ell})\ell(+)$ in pp collisions at $\sqrt{s}=7$ TeV

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CXLVIII. Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ \rightarrow 4\ell$ in pp Collisions at $\sqrt{s}=7$ TeV

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CXLIX. Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider

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CL. Search for the standard model Higgs boson decaying to $W+W-$ in the fully leptonic final state in pp collisions at $\sqrt{s}=7$ TeV

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CLI. **Combined results of searches for the standard model Higgs boson in pp collisions at root s=7 TeV**

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CLII. **Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at root s=7 TeV**

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CLIII. **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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CLIV. **Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at root(s)=7 TeV**

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CLV. **Inclusive search for squarks and gluinos in pp collisions at root s=7 TeV**

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CLVI. **Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at root s=7 TeV**

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CLVII. **Performance of tau-lepton reconstruction and identification in CMS**

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- CLXVII. **Measurement of the $B\text{-}s(0)$ Production Cross Section with $B\text{-}s(0) \rightarrow J/\psi \phi$ Decays in pp Collisions at $\sqrt{s}=7$ TeV**
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- CLXXIII. **Measurement of the Polarization of W Bosons with Large Transverse Momenta in W plus jets Events**

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- CLXXIV. **Measurement of the differential dijet production cross section in proton-proton collisions at root s=7 TeV**

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- CLXXV. **Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at root s=7 TeV**

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- CLXXVII. **First measurement of hadronic event shapes in pp collisions at root s=7 TeV**

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Atıf (WoS): 20760

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