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Education Information

Doctorate, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1996 - 2001

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, The Design and Tests of the Very Forward Calorimeter of the CMS Detector at Large Hadron Collider, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2001

Research Areas

Physics, Basic Particles and Areas, Natural Sciences

Academic Titles / Tasks

Professor, Cukurova University, Fen-Edebiyat Fakültesi, Fizik, 2010 - Continues

Advising Theses

DUMANOĞLU İ., ANALYSES OF HB, HE, HO AND HF CALORIMETERS OF CMS DETECTOR WITH 2015 COSMIC DATA AND PROTON ? PROTON COLLISION DATA AT $\sqrt{s} = 13$ TeV, Postgraduate, M.İnce(Student), 2016

DUMANOĞLU İ., CMS DETEKTÖRÜNÜN HF KALORİMETRESİNDE YENİLENEN FÇT'LERİN PERFORMANS ANALİZİ, Postgraduate, S.Lezki(Student), 2016

DUMANOĞLU İ., CMS detektörünün hf kalorimetresinin dört anotlu fotoçoğaltıcı tüplerinin kontrol testleri, Postgraduate, U.Kayhan(Student), 2014

DUMANOĞLU İ., Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 8$ TeV, Doctorate, E.Ersin(Student), 2013

DUMANOĞLU İ.,). BHC'de 7 TeV'lik Proton-Proton Çarpışmalarındaki Tek Jet Olaylarında $W^+e^+?_e$ Bozunumundan Kaynaklı SM Katkılarının Elenmesi, Postgraduate, Ü.Kaya(Student), 2012

DUMANOĞLU İ., Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s}=7$ tev, Doctorate, M.Vergili(Student), 2012

DUMANOĞLU İ., Determination of underlying event contribution to the jet energies in CMS heavy ion collisions, Postgraduate, A.Nart(Student), 2011

DUMANOĞLU İ., CMS HF dedektöründe kullanılan fiberlerin radyasyondan gördüğü zararı görüntüleme sistemi, Postgraduate, Y.Güler(Student), 2011

DUMANOĞLU İ., CMS'deki CASTOR kalorimetresinde kullanılan foto-çoğaltıcı tüplerin kalite kontrol testlerinin yapılması ve sonuçlarının incelenmesi, Postgraduate, Z.Demir(Student), 2010

DUMANOĞLU İ., 2008 beam test of CMS-CASTOR prototype IV ve CMS-HF test of online radiation damage monitoring system, Postgraduate, D.Uzun(Student), 2010

DUMANOĞLU İ., Jet shapes at CMS in proton-proton collisions at $\sqrt{s}=14$ TeV, Doctorate, P.Kurt(Student), 2009

DUMANOĞLU İ., LHC Hızlandırıcısındaki CMS Deneyinin HF Kalorimetresinin Test Verilerini Kullanarak HF'in Temel Özelliklerinin Araştırılması, Doctorate, H.Özkurt(Student), 2007

DUMANOĞLU İ., Bilgisayar destekli fizik deneyleri, Postgraduate, D.Nalan(Student), 2006

DUMANOĞLU İ., Jet energy calibration studies, Postgraduate, M.Vergili(Student), 2006

DUMANOĞLU İ., Yüksek enerjilerde proton-proton etkileşmelerinin simülasyonu, Postgraduate, N.Akgül(Student), 2005

DUMANOĞLU İ., HF dedektörünün liflerinin kalite testleri, Postgraduate, H.Çelik(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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.
PHYSICS LETTERS B, vol.768, pp.103-129, 2017 (SCI-Expanded)
- II. **Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at root s=8 TeV**
Khachatryan V., SIRUNYAN A. M., Tumasyan A., Wolfgang A., Asiler E., BRANDSTETTER J., BERGAUER T., DUMANOĞLU İ.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-20, 2017 (SCI-Expanded)
- III. **Relative Modification of Prompt $\psi(2S)$ and J/ ψ Yields from pp to PbPb Collisions at root(s)(NN)=5.02 TeV**
DUMANOĞLU İ., KAYIŞ TOPAKSU A., TUMASYAN A., Wolfgang A., Albert S.
PHYSICAL REVIEW LETTERS, vol.118, pp.1-20, 2017 (SCI-Expanded)
- IV. **Charged-particle nuclear modification factors in PbPb and pPb collisions at root s(NN)=5.02 TeV**
SIRUNYAN A. M., Tumasyan A., Wolfgang A., Ece A., BRANDSTETTER J., BERGAUER T., DUMANOĞLU İ., Collaboration C.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-20, 2017 (SCI-Expanded)
- V. **Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search**
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, vol.767, pp.147-170, 2017 (SCI-Expanded)
- VI. **Search for electroweak production of charginos in final states with two T leptons in pp collisions at root s=8 TeV**
Khachatryan V., SIRUNYAN A. M., Wolfgang A., Tumasyan A., ASILAR E., BRANDSTETTER J., BERGAUER T., DUMANOĞLU İ., KAYIŞ TOPAKSU A., Collaboration C.

JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-20, 2017 (SCI-Expanded)

- VII. **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**

Khachatryan V., SIRUNYAN A. M., Tumasyan A., Wolfgang A., Asiler E., BRANDSTETTER J., DUMANOĞLU İ., KAYIŞ TOPAKSU A., Collaboration C.

EUROPEAN PHYSICAL JOURNAL C, vol.77, no.3, pp.1-20, 2017 (SCI-Expanded)

- VIII. **Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect**

Khachatryan V., Tumasyan A., SIRUNYAN A. M., Wolfgang A., Asiler E., BRANDSTETTER J., BERGAUER T., DUMANOĞLU İ., KAYIŞ TOPAKSU A., Collaboration C.

PHYSICAL REVIEW LETTERS, vol.118, no.12, pp.1-20, 2017 (SCI-Expanded)

- IX. **Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ 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.

JOURNAL OF HIGH ENERGY PHYSICS, vol.10, pp.1-52, 2016 (SCI-Expanded)

- X. **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 Haeveermaet H., Van Mechelen P., Van Spilbeeck A., et al.

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

- XI. **Measurements of $t(\bar{t})$ charge asymmetry using dilepton final states 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., Eroev J., et al.

PHYSICS LETTERS B, vol.760, pp.365-386, 2016 (SCI-Expanded)

- XII. **Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV**

Khachtryan V., Albert S., Tumasyan A., Wolfgang A., Ece A., Bergauer T., Brandstetter J., Brondolin E., DUMANOĞLU İ., POLATÖZ A., et al.

JOURNAL OF HIGH ENERGY PHYSICS, no.9, pp.1-20, 2016 (SCI-Expanded)

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

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

PHYSICS LETTERS B, vol.758, pp.296-320, 2016 (SCI-Expanded)

- XIV. **Measurement of the $W+W$ cross section in pp collisions at $\sqrt{s}=8$ 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., Eroev J., et al.

EUROPEAN PHYSICAL JOURNAL C, vol.76, no.7, 2016 (SCI-Expanded)

- XV. **Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV**

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

EUROPEAN PHYSICAL JOURNAL C, vol.76, no.6, 2016 (SCI-Expanded)

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

EŞKUT E., POLATÖZ A., DUMANOĞLU İ.

MODERN PHYSICS LETTERS B, vol.757, pp.154-179, 2016 (SCI-Expanded)

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

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

- EUROPEAN PHYSICAL JOURNAL C, vol.76, no.5, 2016 (SCI-Expanded)
- XVIII. **Search for supersymmetry in pp collisions at root s=8 TeV in final states with boosted W bosons and b jets using razor variables**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
PHYSICAL REVIEW D, vol.93, no.9, 2016 (SCI-Expanded)
- XIX. **Measurement of the ratio $B(B\text{-}s(0) \rightarrow J/\psi f(0)(980))/B(B\text{-}s(0) \rightarrow J/\psi \phi(1020))$ in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, vol.756, pp.84-102, 2016 (SCI-Expanded)
- XX. **Search for new phenomena in monophoton final states in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, vol.755, pp.102-124, 2016 (SCI-Expanded)
- XXI. **Search for massive WH resonances decaying into the $l \nu b(\bar{b})$ final state at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.5, 2016 (SCI-Expanded)
- XXII. **Comparison of the $Z/\gamma^* + \text{jets}$ to $\gamma + \text{jets}$ cross sections in pp collisions at root s = 8 (vol 10, 128, 2015)**
EŞKUT E., POLATÖZ A., DUMANOĞLU İ.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-21, 2016 (SCI-Expanded)
- XXIII. **Search for $W^- \rightarrow tb$ in proton-proton collisions at root s=8 TeV**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Asilar E., Bergauer T., Brondolin E., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., et al.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, pp.1-42, 2016 (SCI-Expanded)
- XXIV. **Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Asilar E., Bergauer T., Brandstetter J., Brondolin E., Dragicevic M., Eroe J., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.76, no.1, 2016 (SCI-Expanded)
- XXV. **Pseudorapidity distribution of charged hadrons in proton-proton collisions at root s=13TeV**
KAYIŞ TOPAKSU A., POLATÖZ A., EŞKUT E., DUMANOĞLU İ.
PHYSICS LETTERS B, vol.751, pp.143-163, 2015 (SCI-Expanded)
- XXVI. **Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at root s=8 TeV**
KAYIŞ TOPAKSU A., POLATÖZ A., EŞKUT E., DUMANOĞLU İ.
PHYSICS LETTERS B, vol.750, pp.494-519, 2015 (SCI-Expanded)
- XXVII. **Measurements of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) differential cross sections in pp collisions at root s=7 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
PHYSICS LETTERS B, vol.749, pp.14-34, 2015 (SCI-Expanded)
- XXVIII. **Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at root s=8TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Friedl M., Fruehwirth R., Ghete V. M., et al.
JOURNAL OF INSTRUMENTATION, vol.10, 2015 (SCI-Expanded)
- XXIX. **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.
EUROPEAN PHYSICAL JOURNAL C, vol.75, no.5, pp.1-50, 2015 (SCI-Expanded)
- XXX. **Measurement of the Z gamma production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings**
Khachatryan V., Sirunyan A., Tumasyan A., Wolfgang A., Bergauer T., Dragicevic M., DUMANOĞLU İ., EŞKUT E., POLATÖZ A., KAYIŞ TOPAKSU A.
JOURNAL OF HIGH ENERGY PHYSICS, no.4, pp.1-40, 2015 (SCI-Expanded)
- XXXI. **Search for Monotop Signatures in Proton-Proton Collisions at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
PHYSICAL REVIEW LETTERS, vol.114, no.10, 2015 (SCI-Expanded)
- XXXII. **Performance of the CMS missing transverse momentum reconstruction in pp data at root s=8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
JOURNAL OF INSTRUMENTATION, vol.10, 2015 (SCI-Expanded)
- XXXIII. **Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at root s=7TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.11, 2014 (SCI-Expanded)
- XXXIV. **Observation of the diphoton decay of the Higgs boson and measurement of its properties**
EŞKUT E., KAYIŞ TOPAKSU A., POLATÖZ A., DUMANOĞLU İ.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.10, pp.1-49, 2014 (SCI-Expanded)
- XXXV. **Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV**
Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., Fruehwirth R., et al.
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- XXXVI. **Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at root s=8 TeV**
DUMANOĞLU İ., EŞKUT E., ÖNENGÜT G., POLATÖZ A., KAYIŞ TOPAKSU A.
EUROPEAN PHYSICAL JOURNAL C, vol.74, no.9, pp.1-26, 2014 (SCI-Expanded)
- XXXVII. **Searches for light- and heavy-flavour three-jet resonances in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
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- XXXVIII. **Modification of jet shapes in PbPb collisions at root s(NN)=2.76 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.730, pp.243-263, 2014 (SCI-Expanded)
- XXXIX. **Measurement of the t(t)over-bar production cross section in the dilepton channel in pp collisions at root s = 8 TeV (vol 2, 024, 2014)**
EŞKUT E., DUMANOĞLU İ., KAYIŞ TOPAKSU A., ÖNENGÜT G., POLATÖZ A.
JOURNAL OF HIGH ENERGY PHYSICS, no.2, pp.1-18, 2014 (SCI-Expanded)
- XL. **Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks**
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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- XLI. **Determination of the top-quark pole mass and strong coupling constant from the t(t)over-bar**

production cross section in pp collisions at root s=7 TeV

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

PHYSICS LETTERS B, vol.728, pp.496-517, 2014 (SCI-Expanded)

- XLII. **Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C., Friedl M., et al.
Journal of High Energy Physics, vol.2014, no.3, 2014 (SCI-Expanded)
- XLIII. **Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states**
Chatrchyan S., Khachatryan V., Sirunyan A., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Erö J., Fabjan C., Friedl M., et al.
Journal of High Energy Physics, vol.2014, no.1, 2014 (SCI-Expanded)
- XLIV. **Rapidity distributions in exclusive Z plus jet and gamma plus jet events in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW D, vol.88, no.11, 2013 (SCI-Expanded)
- XLV. **Measurement of the prompt J/psi and psi(2S) polarizations in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICS LETTERS B, vol.727, pp.381-402, 2013 (SCI-Expanded)
- XLVI. **Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
EUROPEAN PHYSICAL JOURNAL C, vol.73, no.12, 2013 (SCI-Expanded)
- XLVII. **Search for Top Squarks in R-Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets**
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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- XLVIII. **Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguiló E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- XLIX. **Searches for new physics using the t(t)over-bar invariant mass distribution in pp collisions at root s=8 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Bergauer T., Dragicevic M., Eroe J., Fabjan C., Friedl M., et al.
PHYSICAL REVIEW LETTERS, vol.111, no.21, 2013 (SCI-Expanded)
- L. **Measurement of the Upsilon(1S), Upsilon(2S), and Upsilon(3S) cross sections in pp collisions at root s=7 TeV**
Chatrchyan S., Khachatryan V., Sirunyan A. M., Tumasyan A., Adam W., Aguiló E., Bergauer T., Dragicevic M., Eroe J., Fabjan C., et al.
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- LI. **Search for a new bottomonium state decaying to Upsilon(1S)pi(+)pi(-) in pp collisions at root s=8 TeV**
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- LII. **The performance of the CMS muon detector in proton-proton collisions at root s=7 TeV at the LHC**
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- LIII. **Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at root s=7 TeV**

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

JOURNAL OF HIGH ENERGY PHYSICS, no.10, 2013 (SCI-Expanded)

- LIV. **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., Eroë J., Fabjan C., Friedl M., et al.

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

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

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- LVI. **Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV**

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

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- LVII. **Measurement of the W-boson helicity in top-quark decays from t(t)over-bar production in lepton plus jets events in pp collisions at root s=7 TeV**

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

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- LVIII. **Measurement of the B-s(0) ->mu(+)mu(-) Branching Fraction and Search for B-0 -> mu(+)mu(-) with the CMS Experiment**

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

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

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

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

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

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

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