

ԷՔՍՊԵՐԻՄԵՆՏԱԼ ՖԻԶԻԿԱՅԻ ԲԱԺԱՆՄՈՒՆՔԻ

ԳԻՏԱԿԱՆ ՀՐԱՊԱՐԱԿՈՒՄՆԵՐԻ ՑԱՆԿ

2017

281 (349) հրապարակում

1. Femtoscopy with identified charged pions in proton-lead collisions at  $\sqrt{s(NN)}=5.02$  TeV with ATLAS

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064908 Published: DEC 28 2017

2. Measurement of the helicity asymmetry  $E$  in  $\omega \rightarrow \pi^+\pi^-\pi^0$  photoproduction

By: Akbar, Z.; Roy, P.; Park, S.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 065209 Published: DEC 28 2017

3. Determination of the proton spin structure functions for  $0.05 < Q^2 < 5\text{GeV}^2$  using CLAS

By: Fersch, R. G.; Guler, N.; Bosted, P.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 065208 Published: DEC 27 2017

4. Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 112010 Published: DEC 26 2017

5. Search for direct top squark pair production in final states with two leptons in  $\sqrt{s}=13$  TeV pp collisions with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 12 Article Number: 898 Published: DEC 21 2017

6. Kaon femtoscopy in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Acharya, S.; Adam, J.; Adamova, D.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064613 Published: DEC 2017

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7. Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): Atlas Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 085 Published: DEC 15 2017
8.  $J/\psi$  Elliptic Flow in Pb-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 24 Article Number: 242301 Published: DEC 15 2017
9. Observation of Top Quark Production in Proton-Nucleus Collisions  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 24 Article Number: 242001 Published: DEC 14 2017
10. Measurement of the Drell-Yan triple-differential cross section in pp collisions at  $\sqrt{s}=8$  TeV  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 059 Published: DEC 12 2017
11. Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state  
By: Sirunyan, A. M.; Collaboration, C. M. S.; Tumasyan, A.; et al.  
PHYSICS LETTERS B Volume: 775 Pages: 1-24 Published: DEC 10 2017
12. Search for new phenomena in high-mass diphoton final states using  $37 \text{ fb}^{-1}$  of proton-proton collisions collected at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICS LETTERS B Volume: 775 Pages: 105-125 Published: DEC 10 2017
13. Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICS LETTERS B Volume: 775 Pages: 206-228 Published: DEC 10 2017
14. Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 775 Pages: 315-337 Published: DEC 10 2017

15. Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at  $\sqrt{s}=0.9, 7, \text{ and } 8 \text{ TeV}$

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 12 Article Number: 852 Published: DEC 9 2017

16. Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at  $\sqrt{s}=13 \text{ TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 12 Article Number: 845 Published: DEC 8 2017

17. Search for dark matter in association with a Higgs boson decaying to two photons at  $\sqrt{s}=13 \text{ TeV}$  with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 112004 Published: DEC 8 2017

18. Evidence for the  $H \rightarrow b\bar{b}$  decay with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 024 Published: DEC 6 2017

19. Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 034 Published: DEC 6 2017

20. Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 064902 Published: DEC 5 2017

21. Measurement of charged pion, kaon, and proton production in proton-proton collisions at  $\sqrt{s}=13 \text{ TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 11 Article Number: 112003 Published: DEC 5 2017

22. Analysis of the  $Wtb$  vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the  $t$ -channel at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 017 Published: DEC 4 2017

23. Measurement of the differential and total cross sections of the  $\gamma t \rightarrow \gamma t$  reaction within the resonance region

By: Compton, N.; Taylor, C. E.; Hicks, K.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 6 Article Number: 065201 Published: DEC 4 2017

24. Radioactive source calibration test of the CMS Hadron Endcap Calorimeter test wedge with Phase I upgrade electronics

By: Chatrchyan, S.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P12034 Published: DEC 2017

25. Study of the material of the ATLAS inner detector for Run 2 of the LHC

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P12009 Published: DEC 2017

26. Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 22 Article Number: 221802  
Published: DEC 1 2017

27. TeV Gamma-Ray Observations of the Binary Neutron Star Merger GW170817 with HESS

By: Abdalla, H.; Abramowski, A.; Aharonian, F.; et al.

Group Author(s): HESS Collaboration

ASTROPHYSICAL JOURNAL LETTERS Volume: 850 Issue: 2 Article Number: L22  
Published: DEC 1 2017

28. Search for super symmetry inevents with  $b$ -tagged jets and missing transverse momentum in  $pp$  collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 195 Published: NOV 29 2017

29. Study of ordered hadron chains with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 9 Article Number: 092008 Published: NOV 29 2017

30. Measurements of top-quark pair differential cross-sections in the lepton plus jets channel in pp collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 191 Published: NOV 28 2017

31. Measurement of lepton differential distributions and the top quark mass in  $t\bar{t}$  production in pp collisions at a  $\sqrt{s} = 8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 804 Published: NOV 25 2017

32. Determination of the strong coupling constant  $\alpha_s(m_Z)$  in next-to-next-to-leading order QCD using H1 jet cross section measurements

By: Andreev, V.; Baghdasaryan, A.; Begzsuren, K.; et al.

Group Author(s): H1 Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 791 Published: NOV 22 2017

33. Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 765 Published: NOV 15 2017

34. Measurement of the  $t\bar{t}\gamma$  production cross section in proton-proton collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 086 Published: NOV 15 2017

35. Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 085 Published: NOV 15 2017
36. First Exclusive Measurement of Deeply Virtual Compton Scattering off He-4: Toward the 3D Tomography of Nuclei  
By: Hattawy, M.; Baltzell, N. A.; Dupre, R.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 20 Article Number: 202004 Published: NOV 15 2017
37. Measuring  $(K^+K^-)$  interactions using Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 774 Pages: 64-77 Published: NOV 10 2017
38. Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
PHYSICS LETTERS B Volume: 774 Pages: 279-307 Published: NOV 10 2017
39. Measurement of jet  $p_T$  correlations in Pb+Pb and pp collisions at  $\sqrt{s_{NN}}=2.76$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICS LETTERS B Volume: 774 Pages: 379-402 Published: NOV 10 2017
40. Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the  $q\bar{q}b\bar{b}$  final state in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): Atlas Collaboration  
PHYSICS LETTERS B Volume: 774 Pages: 494-515 Published: NOV 10 2017
41. Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at  $\sqrt{s}=8$  and 13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 774 Pages: 533-558 Published: NOV 10 2017
42. Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 774 Pages: 682-705 Published: NOV 10 2017

43. Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 062 Published: NOV 10 2017

44. A glimpse of gluons through deeply virtual compton scattering on the proton

By: Defurne, M.; Marti Jimenez-Arguello, A.; Ahmed, Z.; et al.

NATURE COMMUNICATIONS Volume: 8 Article Number: 1408 Published: NOV 10 2017

45. Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 047 Published: NOV 9 2017

46. Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at  $\sqrt{s}=8$  TeV with the ATLAS Detector

By: Aaboud, M.; Aad, C.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 19 Article Number: 191803 Published: NOV 9 2017

47. Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 029 Published: NOV 8 2017

48. Measurements of the associated production of a Z boson and b jets in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 751 Published: NOV 8 2017

49. Measurement of the triple-differential dijet cross section in proton-proton collisions at  $\sqrt{s}=8$  TeV and constraints on parton distribution functions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 11 Article Number: 746 Published: NOV 7 2017

50. Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at  $\sqrt{s}=8$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 010 Published: NOV 6 2017
51. Polarization transfer observables in elastic electron-proton scattering at  $Q^2=2.5, 5.2, 6.8,$  and  $8.5$  GeV<sup>2</sup>  
By: Puckett, A. J. R.; Brash, E. J.; Jones, M. K.; et al.  
PHYSICAL REVIEW C Volume: 96 Issue: 5 Article Number: 055203 Published: NOV 6 2017
52. Heavy Ion Results from ATLAS  
By: Jia, Jiangyong; Aaboud, M.; Aad, G.; et al.  
Group Author(s): ATLAS Collaboration  
NUCLEAR PHYSICS A Volume: 967 Pages: 51-58 Published: NOV 2017
53. Measurements of photo-nuclear jet production in Pb plus Pb collisions with ATLAS  
By: Angerami, Aaron; Aaboud, M.; Aad, G.; et al.  
Group Author(s): ATLAS Collaboration  
NUCLEAR PHYSICS A Volume: 967 Pages: 277-280 Published: NOV 2017
54. Search for Dark Matter Produced in Association with a Higgs Boson Decaying to  $b\bar{b}$  Using  $36 \text{ fb}^{-1}$  of pp Collisions at  $\sqrt{s}=13$  TeV with the ATLAS Detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 18 Article Number: 181804 Published: NOV 1 2017
55. Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 96 Issue: 7 Article Number: 072005 Published: OCT 27 2017
56. Search for new high-mass phenomena in the dilepton final state using  $36 \text{ fb}^{-1}$  of proton-proton collision data at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 182 Published: OCT 26 2017
57. Search for associated production of dark matter with a Higgs boson decaying to  $b\bar{b}$  or  $\gamma\gamma$  at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.



Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 180 Published: OCT  
26 2017

58. Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector  
(vol 77, 580, 2017)

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number:  
712 Published: OCT 26 2017

59. Search for new phenomena with the M-T2 variable in the all-hadronic final state  
produced in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Johnson, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number:  
710 Published: OCT 26 2017

60. Search for pair production of heavy vector-like quarks decaying to high-p(T) W bosons  
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ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

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20 2017

61. Search for Higgs boson pair production in the bb tau state in proton-proton collisions at  
 $\sqrt{s}=8\text{ TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 7 Article Number: 072004 Published: OCT  
20 2017

62. Multi-messenger Observations of a Binary Neutron Star Merger

By: Abbott, B. P.; Abbott, R.; Abbott, T. D.; et al.

Group Author(s): LIGO Sci Collaboration & Virgo; Fermi GBM; INTERGRAL; et al.

ASTROPHYSICAL JOURNAL LETTERS Volume: 848 Issue: 2 Article Number:  
L12 Published: OCT 20 2017

63. JLab Measurements of the He-3 Form Factors at Large Momentum Transfers

By: Camsonne, A.; Katramatou, A. T.; Olson, M.; et al.

Group Author(s): Jefferson Lab Hall A Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 16 Article Number:  
162501 Published: OCT 19 2017

64. Search for top quark decays  $t \rightarrow qH$ , with  $H \rightarrow \gamma\gamma$ , in  $\sqrt{s}=13\text{ TeV}$  pp  
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By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 129 Published: OCT 19 2017

65. Measurement of inclusive and differential cross sections in the  $H \rightarrow ZZ^* \rightarrow 4l$  decay channel in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 132 Published: OCT 19 2017

66. Measurements of jet charge with dijet events in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 131 Published: OCT 19 2017

67. Beam helicity asymmetries in  $K^+\Lambda$  electroproduction off the proton at low  $Q^2$

By: Achenbach, P.; Gayoso, C. Ayerbe; Boehm, R.; et al.

Group Author(s): A1 Collaboration

EUROPEAN PHYSICAL JOURNAL A Volume: 53 Issue: 10 Article Number: 198 Published: OCT 17 2017

68. Searches for the Z gamma decay mode of the Higgs boson and for new high-mass resonances in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 112 Published: OCT 17 2017

69. Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 7 Article Number: 072002 Published: OCT 13 2017

70. Measurement of the  $B_{\pm/\pm}$  Meson Nuclear Modification Factor in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 15 Article Number: 152301 Published: OCT 13 2017

71. Search for Supersymmetry in pp Collisions at  $\sqrt{s}=13$  TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS\_ Volume: 119 Issue: 15 Article Number:  
151802 Published: OCT 13 2017

72. Measurements of the  $pp \rightarrow W \gamma \gamma$  and  $pp \rightarrow Z \gamma \gamma$  cross sections and limits on anomalous quartic gauge couplings at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 072 Published: OCT 11 2017

73. Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 076 Published: OCT 11 2017

74. Search for new physics in the monophoton final state in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 073 Published: OCT 11 2017

75. Measurement of the EBL spectral energy distribution using the VHE gamma-ray spectra of HESS blazars

By: Abdalla, H.; Abramowski, A.; Aharonian, F.; et al.  
Group Author(s): HESS Collaboration  
ASTRONOMY & ASTROPHYSICS Volume: 606 Article Number: A59 Published: OCT 10 2017

76. Linear and non-linear flow mode in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 773 Pages: 68-80 Published: OCT 10 2017

77. Photon beam asymmetry  $\Sigma$  in the reaction  $\langle \gamma \rangle \rightarrow p \omega$  for  $E_\gamma=1.152$  to 1.876 GeV

By: Collins, P.; Ritchie, B. G.; Dugger, M.; et al.  
PHYSICS LETTERS B Volume: 773 Pages: 112-120 Published: OCT 10 2017

78. Measurement of the  $W^+ W^-$  production cross section in pp collisions at a centre-of-mass energy of  $\sqrt{s}=13$  TeV with the ATLAS experiment

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 773 Pages: 354-374 Published: OCT 10 2017

79. Search for leptophobic  $Z'$  bosons decaying into four-lepton final states in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 773 Pages: 563-584 Published: OCT 10 2017

80. Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration; Ferri, F; Berger, J; et al.

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 14 Article Number: 141802 Published: OCT 4 2017

81. Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV at the LHC

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 10 Article Number: 658 Published: OCT 4 2017

82. Search for top squark pair production in pp collisions at  $\sqrt{s}=13$  TeV using single lepton events

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 019 Published: OCT 3 2017

83. Measurement of the semileptonic  $t(\bar{t}) + \gamma$  production cross section in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 006 Published: OCT 2 2017

84. Search for direct production of super symmetric partners of the top quark in the all-jets final state in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 005

85. GEANT4 SIMULATIONS OF A BEAM SHAPING ASSEMBLY DESIGN AND OPTIMIZATION FOR THERMAL/EPITHERMAL NEUTRONS

By: Avagyan, R.; Avetisyan, R.; Ivanyan, V.; et al.

ACTA PHYSICA POLONICA B Volume: 48 Issue: 10 Pages: 1693-1699 Published: OCT 2017

86. DRIFT CHAMBER CALIBRATION AND TRACK RECONSTRUCTION IN THE P349 ANTIPROTON POLARIZATION EXPERIMENT  
By: Alfs, D.; Glowacz, B.; Moskal, P.; et al.  
ACTA PHYSICA POLONICA B Volume: 48 Issue: 10 Pages: 1983-1988 Published: OCT 2017
87. Influence of transverse segmentation of back hadronic calorimeter of CMS detector (LHC) on identification of tagging jets in VBF H  $\rightarrow$  tau(-)tau(+) process  
By: Sirunyan, A. M.; Tumasyan, A. R.; Khachatryan, V. A.; et al.  
JOURNAL OF CONTEMPORARY PHYSICS-ARMENIAN ACADEMY OF SCIENCES Volume: 52 Issue: 4 Pages: 311-316 Published: OCT 2017
88. Particle-flow reconstruction and global event description with the CMS detector  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS collaboration  
JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P10003 Published: OCT 2017
89. Search for new phenomena in dijet events using 37 fb<sup>-1</sup> of pp collision data collected at root s=13 TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
PHYSICAL REVIEW D Volume: 96 Issue: 5 Article Number: 052004 Published: SEP 28 2017
90. Top-quark mass measurement in the all-hadronic t(t)over-bar decay channel at root s=8 TeV with the ATLAS detector  
By: Aaboud, M. D.; Aad, G.; Abbott, B.; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Published: SEP 25 2017
91. Study of WW gamma and WZ gamma production in pp collisions at root s=8 TeV and search for anomalous quartic gauge couplings with the ATLAS experiment  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 646 Published: SEP 25 2017
92. Search for new phenomena with multiple charged leptons in proton-proton collisions at root s=13TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 635 Published: SEP 22 2017
93. Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at root s=13TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number:  
636 Published: SEP 22 2017

94. 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 (vol 3, 061, 2017)

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 106 Published: SEP 22  
2017

95. Search for supersymmetry in final states with two same-sign or three leptons and jets using  $36 \text{ fb}^{-1}$  of  $\sqrt{s} = 13$  TeV  $pp$  collision data with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 084 Published: SEP  
19 2017

96. Search for new phenomena in a lepton plus high jet multiplicity final state the ATLAS experiment using  $\sqrt{s} = 13$  TeV proton-proton collision data

By: Aaboud, M.; Collaboration, A. T. L. A. S.; Aad, G.; et al.  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 088 Published: SEP  
19 2017

97. Differential cross section measurements for  $\gamma n \rightarrow \pi(-)p$  above the first nucleon resonance region

By: Mattione, P. T.; Carman, D. S.; Strakovsky, I. I.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 035204 Published: SEP  
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98. Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at  $\sqrt{s} = 13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 119 Issue: 11 Article Number:  
111802 Published: SEP 15 2017

99. Search for a heavy resonance decaying to a top quark and a vector-like top quark at  $\sqrt{s} = 13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 053 Published: SEP  
13 2017

100. Measurement of the  $t\bar{t}$  production cross section using events with one lepton

and at least one jet in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 051 Published: SEP 13 2017

101. Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 306-329 Published: SEP 10 2017

102. Search for standard model production of four top quarks in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 336-358 Published: SEP 10 2017

103. Search for high-mass Z gamma resonances in proton-proton collisions at  $\sqrt{s}=8$  and 13 TeV using jet substructure techniques

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 363-387 Published: SEP 10 2017

104. Coherent J/psi photoproduction in ultra-peripheral PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV with the CMS experiment

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 489-511 Published: SEP 10 2017

105. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 567-577 Published: SEP 10 2017

106. Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 634-656 Published: SEP 10 2017

107. Cross section measurement of t-channel single top quark production in pp collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 772 Pages: 752-776 Published: SEP 10 2017

108. Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC

By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 032 Published: SEP 8 2017

109. Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 10 Article Number: 102301 Published: SEP 8 2017

110. Evolution of the longitudinal and azimuthal structure of the near-side jet peak in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 3 Article Number: 034904 Published: SEP 8 2017

111. Production of  $\pi(0)$  and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV (vol 77, 339, 2017)

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 586 Published: SEP 6 2017

112. Measurement of the inclusive jet cross-sections in proton-proton collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 020 Published: SEP 5 2017

113. Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number: 580 Published: SEP 2 2017

114. 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  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration



EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 9 Article Number:  
578 Published: SEP 1 2017

115. Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

NATURE PHYSICS Volume: 13 Issue: 9 Pages: 852-+ Published: SEP 2017

116. Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 032003 Published: AUG 25 2017

117. Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at  $\sqrt{s}=7$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number:  
569 Published: AUG 24 2017

118. Measurements of  $ep \rightarrow e' \pi^{(+)} \pi^{(-)} p'$  cross sections with CLAS at  $1.40 \text{ GeV} < W < 2.0 \text{ GeV}$  and  $2.0 \text{ GeV} < Q^2 < 5.0 \text{ GeV}^2$

By: Isupov, E. L.; Burkert, V. D.; Carman, D. S.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 2 Article Number: 025209 Published: AUG 24 2017

119. Study of Jet Quenching with Z plus jet Correlations in Pb-Pb and pp Collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 8 Article Number:  
082301 Published: AUG 23 2017

120. Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at  $\sqrt{s}=5.02$  and 13 TeV and p plus Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW C Volume: 96 Issue: 2 Article Number: 024908 Published: AUG 22 2017

121. Measurement of the top quark mass in the dileptonic  $t\bar{t}$  decay channel using the mass observables  $M_{bl}$ ,  $M_{T2}$ , and  $M_{blv}$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 96 Issue: 3 Article Number: 032002 Published: AUG 22 2017

122. Measurement of  $WW/WZ \rightarrow l\nu qq'$  production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at  $\sqrt{s}=8$  TeV with ATLAS, and constraints on anomalous gauge couplings

By: Aaboudd, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number: 563 Published: AUG 20 2017

123. Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at  $\sqrt{s} = 8$  TeV with the ATLAS detector

By: Aad, G.; Abbott, B.; Abdallah, J.; et al.

Group Author(s): Atlas Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Published: AUG 20 2017

124. Search for top quark partners with charge  $5/3$  in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 073 Published: AUG 18 2017

125. Measurement of D-meson production at mid-rapidity in pp collisions at  $\sqrt{s}=7$  TeV

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number: 550 Published: AUG 17 2017

126. Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in  $\sqrt{S}=13$  TeV pp collisions with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Pages: 1-40 Published: AUG 16 2017

127. Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 046 Published: AUG 11 2017

128. Measurement of the differential inclusive  $B^+$  hadron cross sections in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 771 Pages: 435-456 Published: AUG 10 2017

129. Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 80-105 Published: AUG 10 2017

130. Differential cross sections and polarization observables from CLAS  $K^*$  photoproduction and the search for new  $N^*$  states

By: Anisovich, A. V.; Hicks, K.; Klempt, E.; et al.

Group Author(s): CLAS Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 142-150 Published: AUG 10 2017

131. Photon beam asymmetry  $\Sigma$  for  $\eta$  and  $\eta'$  photoproduction from the proton

By: Collins, P.; Ritchie, B. G.; Dugger, M.; et al.

PHYSICS LETTERS B Volume: 771 Pages: 213-221 Published: AUG 10 2017

132. Measurement of the production of high-p(T) electrons from heavy-flavour hadron decays in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 771 Pages: 467-481 Published: AUG 10 2017

133. search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jet (vol 12, 083, 2016)

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 035 Published: AUG 9 2017

134. Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8TeV using data collected by the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 8 Article Number: 531 Published: AUG 9 2017

135. Measurement of the  $k(t)$  splitting scales in  $Z \rightarrow \ell\ell$  events in pp collisions at  $\sqrt{s}=8$ TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 026 Published: AUG 8 2017

136. Searches for  $W'$  bosons decaying to a top quark and a bottom quark in proton-proton

collisions at 13TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Pages: 1-42 Article Number:  
029 Published: AUG 8 2017

137. Search for the Dimuon Decay of the Higgs Boson in pp Collisions at  $\sqrt{s}=13$  TeV with the ATLAS Detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 119 Issue: 5 Article Number:  
051802 Published: AUG 4 2017

138. A polarized fast radio burst at low Galactic latitude

By: Petroff, E.; Burke-Spolaor, S.; Keane, E. F.; et al.

Group Author(s): ANTARES Collaboration; H E S S Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 469 Issue:  
4 Pages: 4465-4482 Published: AUG 2017

139. Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in  $\sqrt{s}=13$  TeV pp collisions with the ATLAS detector

By: Aaboud, M.; collaboration, A. T. L. A. S.; Aad, G.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 006 Published: AUG 1  
2017

140. Pseudorapidity dependence of long-range two-particle correlations in pPb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

PHYSICAL REVIEW C Volume: 96 Issue: 1 Article Number: 014915 Published: JUL 31  
2017

141. Measurement of  $(WW \rightarrow W) \rightarrow W$  vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 1 Article Number: 012007 Published: JUL 28  
2017

142. Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 121 Published: JUL 26  
2017

143. Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 96 Issue: 1 Article Number: 012004 Published: JUL 25 2017

144. Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1  
By: Aad, G.; Abbott, B.; Abdallah, J.; et al.

Group Author(s): Atlas Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number:  
490 Published: JUL 24 2017

145. Studies of Z gamma production in association with a high-mass dijet system in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 107 Published: JUL 21 2017

146. Measurements of electroweak  $Wjj$  production and constraints on anomalous gauge couplings with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number:  
474 Published: JUL 17 2017

147. Measurement of inclusive jet cross sections in pp and PbPb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration  
PHYSICAL REVIEW C Volume: 96 Issue: 1 Article Number: 015202 Published: JUL 17 2017

148. Measurement of the jet mass in highly boosted  $t(\bar{t})$  events from pp collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number:  
467 Published: JUL 14 2017

149. Jet reconstruction and performance using particle flow with the ATLAS Detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number:  
466 Published: JUL 13 2017

150. Measurement of electrons from beauty-hadron decays in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV and Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 052 Published: JUL 11 2017

151. Measurement of double-differential cross sections for top quark pair production in pp collisions at  $\sqrt{s}=8$  TeV and impact on parton distribution functions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 7 Article Number: 459 Published: JUL 11 2017

152. Measurement of the mass difference between top quark and antiquark in pp collisions at  $\sqrt{s}=8$  TeV

By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 50-71 Published: JUL 10 2017

153. Search for heavy gauge  $W'$  bosons in events with an energetic lepton and large missing transverse momentum at  $\sqrt{s}=13$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 278-301 Published: JUL 10 2017

154. Suppression of  $\gamma(1S)$ ,  $\gamma(2S)$ , and  $\gamma(3S)$  quarkonium states in PbPb collisions at  $\sqrt{s_{NN}}=2.76$ TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 357-379 Published: JUL 10 2017

155. Measurement of the cross section for electroweak production of Z  $\gamma$  in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 380-402 Published: JUL 10 2017

156. Production of muons from heavy-flavour hadron decays in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 459-472 Published: JUL 10 2017

157. Measurement of the cross section for inclusive isolated-photon production in pp collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 770 Pages: 473-493 Published: JUL 10 2017

158. Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at root S=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 014 Published: JUL 5 2017

159. Search for new physics with dijet angular distributions in proton-proton collisions at root S = 13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 013 Published: JUL 5 2017

160. Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at root s=8 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 003 Published: JUL 3 2017

161. Search for t(t)over-bar resonances in highly boosted lepton plus jets and fully hadronic final states in proton-proton collisions at root s=13 TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 001 Published: JUL 3 2017

162. Study of low energy neutron beam formation based on GEANT4 simulations

By: Avagyan, R.; Avetisyan, R.; Ivanyan, V.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM

INTERACTIONS WITH MATERIALS AND ATOMS Volume: 402 Pages: 247-

250 Published: JUL 1 2017

163. Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 064914 Published: JUN 28 2017

164. Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at root s=8 TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 11 Article Number: 112005 Published: JUN 27 2017

165. Measurement of multi-particle azimuthal correlations in pp, p plus Pb and low-multiplicity Pb plus Pb collisions with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 428 Published: JUN 26 2017

166. Measurement of electroweak-induced production of W gamma with two jets in pp collisions at  $\sqrt{s}=8\text{TeV}$  and constraints on anomalous quartic gauge couplings

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 106 Published: JUN 20 2017  
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167. Beam-Target Helicity Asymmetry for  $(\gamma)\overrightarrow{\text{right-arrow}}(n)\overrightarrow{\text{right-arrow}} \rightarrow \pi(-)p$  in the  $N^*$  Resonance Region

By: Ho, D.; Peng, P.; Bass, C.; et al.

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 24 Article Number: 242002 Published: JUN 16 2017

168. Search for dark matter at  $\sqrt{s}=13\text{TeV}$  in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 393 Published: JUN 14 2017

169. Energy dependence of forward-rapidity  $J/\psi$  and  $\psi(2S)$  production in pp collisions at the LHC

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 392 Published: JUN 14 2017

170. Production of  $\Sigma(1385)(+/-)$  and  $\Xi(1530)(0)$  in p-Pb collisions at  $\sqrt{s(NN)}=5.02\text{TeV}$

By: Adamova, D.; Aggarwal, M. M.; Rinella, G. Aglieri; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 389 Published: JUN 13 2017

171.  $K^*(892)(0)$  and  $\phi(1020)$  meson production at high transverse momentum in pp and Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76\text{TeV}$

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration



PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 064606 Published: JUN 12 2017

172. Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 769 Pages: 391-412 Published: JUN 10 2017

173. Search for dijet resonances in proton-proton collisions at  $\sqrt{s}=13$  TeV and constraints on dark matter and other models

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 769 Pages: 520-542 Published: JUN 10 2017

174. Measurement of jet fragmentation in Pb plus Pb and pp collisions at  $\sqrt{s(NN)}=2.76$  TeV with the ATLAS detector at the LHC

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 379 Published: JUN 8 2017

175. Ratios of helicity amplitudes for exclusive  $\rho(0)$  electroproduction on transversely polarized protons

By: Airapetian, A.; Akopov, N.; Akopov, Z.; et al.

Group Author(s): HERMES Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 378 Published: JUN 8 2017

176. Centrality dependence of high-p(T) D-meson suppression in Pb-Pb collisions at  $\sqrt{s(NN)} = 2.76$  TeV (vol 2015, 2015)

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 032 Published: JUN 6 2017

177. Precision measurement and interpretation of inclusive  $W^+$ ,  $W^-$  and  $Z/\gamma^*$  production cross sections with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 367 Published: JUN 2 2017

178. Azimuthally Differential Pion Femtoscopy in Pb-Pb Collisions at  $\sqrt{s(NN)}=2.76$  TeV

By: Adamova, D.; Aggarwal, M. M.; Rinella, G. Aglieri; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 22 Article Number:

222301 Published: JUN 2 2017

179. Measurement of two-photon exchange effect by comparing elastic  $e(+/-)p$  cross sections

By: Rimal, D.; Adikaram, D.; Raue, B. A.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 6 Article Number: 065201 Published: JUN 1 2017

180. Rosenbluth Separation of the  $\pi(0)$  Electroproduction Cross Section Off the Neutron

By: Mazouz, M.; Ahmed, Z.; Albataineh, H.; et al.

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 22 Article Number:

222002 Published: JUN 1 2017

181. Measurements of the production cross section of a Z boson in association with jets in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 6 Article Number: 361 Published: MAY 31 2017

182. Measurement of the top quark mass using single top quark events in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 354 Published: MAY 29 2017

183. Measurement of  $D^*$  production in diffractive deep inelastic scattering at HERA

By: Andreev, V.; Baghdasaryan, A.; Begzsuren, K.; et al.

Group Author(s): H1 Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 340 Published: MAY 23 2017

184. Production of  $\pi(0)$  and eta mesons up to high transverse momentum in pp collisions at 2.76 TeV

By: Acharya, S.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 339 Published: MAY 22 2017

185. Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): Atlas Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 332 Published: MAY 19 2017

186. Performance of the ATLAS trigger system in 2015

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number:  
317 Published: MAY 18 2017

187. Searches for pair production of third-generation squarks in  $\sqrt{s}=13$  TeV pp collisions

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number:  
327 Published: MAY 18 2017

188. The HPS electromagnetic calorimeter

By: Balossino, I.; Baltzell, N.; Battaglieri, M.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-  
ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume:  
854 Pages: 89-99 Published: MAY 11 2017

189.  $\phi$ -Meson production at forward rapidity in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV and  
in pp collisions at  $\sqrt{s}=2.76$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 203-217 Published: MAY 10 2017

190. Search for narrow resonances in dilepton mass spectra in proton-proton collisions at  
 $\sqrt{s}=13$  TeV and combination with 8 TeV data

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 57-80 Published: MAY 10 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 103-129 Published: MAY 10 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 768 Pages: 137-162 Published: MAY 10 2017

193. Measurements of top-quark pair differential cross-sections in the e  $\mu$  channel in pp  
collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number:  
292 Published: MAY 8 2017

194. A search for new phenomena in pp collisions at  $\sqrt{s}=13\text{TeV}$  in final states with missing transverse momentum and at least one jet using the  $\alpha(T)$  variable

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 5 Article Number: 294 Published: MAY 8 2017

195. Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 029 Published: MAY 5 2017

196. Observation of  $\gamma(1S)$  pair production in proton-proton collisions at  $\sqrt{s}=8\text{TeV}$

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 013 Published: MAY 3 2017

197. Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties

By: Aaboud, M.; Collaboration, A. T. L. A. S.; Aad, G.; et al.

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P05002 Published: MAY 2017

198. High-E-T isolated-photon plus jets production in pp collisions at  $\sqrt{s}=8\text{TeV}$  with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

NUCLEAR PHYSICS B Volume: 918 Pages: 257-316 Published: MAY 2017

199. Measurement of differential cross sections for top quark pair production using the lepton plus jets final state in proton-proton collisions at 13 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 9 Article Number: 092001 Published: MAY 1 2017

200. Measurement of prompt and nonprompt J/psi production in pp and pPb collisions at  $\sqrt{s(NN)}=5.02\text{TeV}$

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 269 Published: APR 27 2017

201. Measurement of the beam asymmetry  $\Sigma$  for  $\pi(0)$  and eta photoproduction on the proton at  $E_\gamma=9\text{GeV}$

By: Al Ghouli, H.; Anassontzis, E. G.; Austregesilo, A.; et al.

Group Author(s): GlueX Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 4 Article Number: 042201 Published: APR 24 2017

202. Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 136 Published: APR 21 2017

203. Flow Dominance and Factorization of Transverse Momentum Correlations in Pb-Pb Collisions at the LHC

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 16 Article Number: 162302 Published: APR 21 2017

204. Probing the  $W$   $t\bar{b}$  vertex structure in  $t$ -channel single-top-quark production and decay in  $pp$  collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 124 Published: APR 20 2017

205. Relative Modification of Prompt  $\psi(2S)$  and  $J/\psi$  Yields from  $pp$  to PbPb Collisions at  $\sqrt{s}(NN)=5.02$  TeV

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 16 Article Number: 162301 Published: APR 20 2017

206. Suppression and azimuthal anisotropy of prompt and nonprompt  $J/\psi$  production in PbPb collisions at  $\sqrt{s}-NN=2.76$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 252 Published: APR 19 2017

207. Measurement of azimuthal correlations of  $D$  mesons with charged particles in  $pp$  collisions at  $\sqrt{s}=7$  TeV and  $p$ -Pb collisions at  $\sqrt{s}(NN)-N=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 245 Published: APR 17 2017

208. Measurement of the inclusive cross-sections of single top-quark and top-antiquark  $t$ -channel production in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 086 Published: APR 14 2017
209. Performance of algorithms that reconstruct missing transverse momentum in  $\sqrt{s}=8$  TeV proton-proton collisions in the ATLAS detector  
By: Aad, G.; Abbott, B.; Abdallah, J.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 241 Published: APR 13 2017
210. Measurement of the WZ production cross section in pp collisions at  $\sqrt{s}=7$  and 8 TeV and search for anomalous triple gauge couplings at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 236 Published: APR 12 2017
211. Measurement of the W boson polarisation in  $t(\bar{t})$ -events from pp collisions at  $\sqrt{s}=8$  TeV in the lepton plus jets channel with ATLAS  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 264 Published: APR 11 2017
212. Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 767 Pages: 147-170 Published: APR 10 2017
213. Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at  $\sqrt{s}=8$  TeV using the  $\alpha(T)$  variable  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 767 Pages: 403-430 Published: APR 10 2017
214. Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions  $\sqrt{s}=13$ TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): Collaboration, A  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 220 Published: APR 7 2017

215. Charged-particle nuclear modification factors in PbPb and pPb collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 039 Published: APR 7 2017
216. Measurement of the  $t(\bar{t})$  production cross section in the tau plus jets final state in pp collisions at  $\sqrt{s}=8$  TeV using the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICAL REVIEW D Volume: 95 Issue: 7 Article Number: 072003 Published: APR 7 2017
217. Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 022 Published: APR 5 2017
218. Measurement of jet production cross sections in deep-inelastic ep scattering at HERA  
By: Andreev, V.; Baghdasaryan, A.; Begzsuren, K.; et al.  
Group Author(s): H1 Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 4 Article Number: 215 Published: APR 4 2017
219. Search for electroweak production of charginos in final states with two T leptons in pp collisions at  $\sqrt{s}=8$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 018 Published: APR 4 2017
220. Mechanical stability of the CMS strip tracker measured with a laser alignment system  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P04023 Published: APR 2017
221. Gamma-ray blazar spectra with HESS II mono analysis: The case of PKS2155-304 and PG1553+113  
By: Abdalla, H.; Abramowski, A.; Aharonian, F.; et al.  
Group Author(s): HESS Collaboration; HESS Collaboration; LAT Collaboration  
ASTRONOMY & ASTROPHYSICS Volume: 600 Article Number: A89 Published: APR 2017

222. Investigation of I-123 production using electron accelerator

By: Avetisyan, Albert; Avagyan, Robert; Dallakyan, Ruben; et al.

NUCLEAR MEDICINE AND BIOLOGY Volume: 47 Pages: 44-47 Published: APR 2017

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

By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 162 Published: MAR 30 2017

224. Measurement of charged-particle distributions sensitive to the underlying event in root s=13 TeV proton-proton collisions with the ATLAS detector at the LHC

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 157 Published: MAR 29 2017

225. Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at root s=8 TeV and cross section ratios to 2.76 and 7 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 156 Published: MAR 29 2017

226. Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 3 Article Number: 195 Published: MAR 27 2017

227. First measurement of unpolarized semi-inclusive deep-inelastic scattering cross sections from a He-3 target

By: Yan, X.; Allada, K.; Aniol, K.; et al.

Group Author(s): Jefferson Lab Hall A Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 3 Article Number: 035209 Published: MAR 24 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 12 Article Number: 122301 Published: MAR 24 2017

229. Measurements of top quark spin observables in tt events using dilepton final states in



root  $s=8$  TeV pp collisions with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 113 Published: MAR 22 2017

230. Measurement of the  $t(\bar{t})$  production cross section using events in the  $e\mu$  final state in pp collisions at root  $s=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 3 Article Number: 172 Published: MAR 20 2017

231. Target and beam-target spin asymmetries in exclusive pion electroproduction for  $Q^2 > 1$  GeV<sup>2</sup>. II.  $ep \rightarrow e\pi(0)p$

By: Bosted, P. E.; Kim, A.; Adhikari, K. P.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 3 Article Number: 035207 Published: MAR 20 2017

232. Target and beam-target spin asymmetries in exclusive pion electroproduction for  $Q^2 > 1$  GeV<sup>2</sup>. I.  $ep \rightarrow e\pi(+)n$

By: Bosted, P. E.; Amarian, M. J.; Pereira, S. Anefalos; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 3 Article Number: 035206 Published: MAR 20 2017

233. Search for CP violation in  $t(\bar{t})$  production and decay in proton-proton collisions at root  $s=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 101 Published: MAR 20 2017

234. 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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 077 Published: MAR 14 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 5 Article Number: 052002 Published: MAR 13 2017

236. Measurement of the WZ production cross section in pp collisions at  $\sqrt{s}=13$  TeV  
By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.  
PHYSICS LETTERS B Volume: 766 Pages: 268-290 Published: MAR 10 2017

237. 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  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 061 Published: MAR 10 2017

238. Exclusive eta electroproduction at  $W > 2$  GeV with CLAS and transversity generalized parton distributions  
By: Bedlinskiy, I.; Kubarovsky, V.; Stoler, P.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW C Volume: 95 Issue: 3 Article Number: 035202 Published: MAR 10 2017

239. J/Psi suppression at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 766 Pages: 212-224 Published: MAR 10 2017

240. A novel comparison of Moller and Compton electron-beam polarimeters  
By: Magee, J. A.; Narayan, A.; Jones, D.; et al.  
PHYSICS LETTERS B Volume: 766 Pages: 339-344 Published: MAR 10 2017

241. Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in  $\sqrt{s}=13$  TeV pp collisions with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 3 Article Number: 144 Published: MAR 4 2017

242. Hard Two-Photon Contribution to Elastic Lepton-Proton Scattering Determined by the OLYMPUS Experiment  
By: Henderson, B. S.; Ice, L. D.; Khanefit, D.; et al.  
Group Author(s): OLYMPUS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 118 Issue: 9 Article Number: 092501 Published: MAR 3 2017

243. Search for triboson ( $WWW -/+)-W-+/-W-+/-$  production in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 3 Article Number:  
141 Published: MAR 2 2017

244. Searches for invisible decays of the Higgs boson in pp collisions at  $\sqrt{s}=7, 8, \text{ and } 13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 135 Published: FEB 28  
2017

245. Determination of the event collision time with the ALICE detector at the LHC

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL PLUS Volume: 132 Issue: 2 Article Number:  
99 Published: FEB 24 2017

246. Beam-target double-spin asymmetry in quasielastic electron scattering off the deuteron with CLAS

By: Mayer, M.; Kuhn, S. E.; Adhikari, K. P.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 95 Issue: 2 Article Number: 024005 Published: FEB  
24 2017

247. Measurements of top-quark pair to Z-boson cross-section ratios at  $\sqrt{s}=13, 8, 7$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Pages: 1-54 Article Number:  
117 Published: FEB 23 2017

248. High precision momentum calibration of the magnetic spectrometers at MAMI for hypernuclear binding energy determination

By: Margaryan, A.; Annand, J. R. M.; Achenbach, P.; et al.

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ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume:  
846 Pages: 98-105 Published: FEB 21 2017

249. Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): Burns, D; CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 096 Published: FEB  
20 2017

250. Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMC Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 079 Published: FEB 15 2017

251. W and Z boson production in p-Pb collisions at TeV  $\sqrt{s(NN)}=5.02$  TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 077 Published: FEB 15 2017

252. Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at  $\sqrt{s}=8$  TeV

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 071 Published: FEB 14 2017

253. Measurement of the production cross section of a W boson in association with two b jets in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 2 Article Number: 92 Published: FEB 11 2017

254. Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 765 Pages: 11-31 Published: FEB 10 2017

255. Search for new resonances decaying to a W or Z boson and a Higgs boson in the  $l^{(+)}l^{(-)}b\bar{b}$ ,  $l\nu b\bar{b}$ , and  $\nu\bar{\nu}b\bar{b}$  channels with pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 765 Pages: 32-52 Published: FEB 10 2017

256. Measurement of W boson angular distributions in events with high transverse momentum jets at  $\sqrt{s}=8$  TeV using the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 765 Pages: 132-153 Published: FEB 10 2017

257. Evidence for collectivity in pp collisions at the LHC

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 765 Pages: 193-220 Published: FEB 10 2017

258. Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Ruiz Vargas, J. C.; Battilana, C.; Malberti, M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 048 Published: FEB 9 2017

259. Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at  $\sqrt{S}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 3 Article Number: 032001 Published: FEB 8 2017

260. Measurement of the prompt J/psi pair production cross-section in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 2 Article Number: 76 Published: FEB 7 2017

261. Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at  $\sqrt{s}=7$  and 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 028 Published: FEB 7 2017

262. Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector

By: Aad, G.; Abbott, B.; Abdallah, J.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 2 Article Number: 70 Published: FEB 4 2017

263. Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P02014 Published: FEB 2017

264. Characterizing the gamma-ray long-term variability of PKS2155 304 with HESS and Fermi-LAT

By: Abdalla, H.; Abramowski, A.; Aharonian, F.; et al.

Group Author(s): HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 598 Article Number: A39 Published: FEB 2017

265. Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012011 Published: JAN 27 2017

266. Measurements of  $\psi(2S)$  and  $X(3872) \rightarrow J/\psi \pi^+ \pi^-$  production in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 117 Published: JAN 26 2017

267. Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012009 Published: JAN 25 2017

268. Measurement of the ZZ production cross section in proton-proton collisions at  $\sqrt{s}=8$  TeV using the  $ZZ \rightarrow l^{(-)} l^{(+)} l'^{(-)} l'^{(+)}$  and  $ZZ \rightarrow l^{(-)} l^{(+)} \nu(\nu)\overline{\nu}$  decay channels with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 099 Published: JAN 24 2017

269. Measurement of the  $t(\overline{t})Z$  and  $t(\overline{t})W$  production cross sections in multilepton final states using  $3.2 \text{ fb}^{-1}$  of pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Article Number: 40 Published: JAN 20 2017

270. Charged-particle multiplicities in proton-proton collisions at  $\sqrt{s}=0.9$  to 8 TeV

By: Adam, J.; Adamova, D.; Aggarwal, M. M.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Article Number: 33 Published: JAN 17 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 076 Published: JAN 17 2017

272. A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Article Number: 26 Published: JAN 13 2017

273. Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 2 Article Number: 021802 Published: JAN 12 2017

274. The Aerogel Cerenkov detector for the SHMS magnetic spectrometer in Hall C at Jefferson Lab

By: Horn, T.; Mkrtchyan, H.; Ali, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 842 Pages: 28-47 Published: JAN 11 2017

275. Search for heavy resonances decaying to a Z boson and a photon in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector

By: Aaboud, M.; Aad, G.; Abbott, B.; et al.

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 764 Pages: 11-30 Published: JAN 10 2017

276. Observation of the decay  $B^+ \rightarrow \psi(2S)\phi(1020)K^+$  in pp collisions at  $\sqrt{s}=8$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 764 Pages: 66-86 Published: JAN 10 2017

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

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 77 Issue: 1 Pages: 1-27 Article Number: 15 Published: JAN 7 2017

278. Inclusive search for supersymmetry using razor variables in pp collisions at  $\sqrt{s}=13$  TeV

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 95 Issue: 1 Article Number: 012003 Published: JAN 6 2017

279. The CMS trigger system

By: Khachatryan, V.; Sirunyan, A. M.; Tumasyan, A.; et al.

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 12 Article Number: P010120 Published: JAN 2017

280. First limits on the very-high energy gamma-ray afterglow emission of a fast radio burst HESS observations of FRB 150418

By: Abdalla, H.; Abramowski, A.; Aharonian, F.; et al.

Group Author(s): SUPERB Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 597 Article Number: A115 Published: JAN 2017

281. Dissociation of relativistic B-10 nuclei in nuclear track emulsion

By: Zaitsev, A. A.; Artemenkov, D. A.; Bradnova, V.; et al.

PHYSICS OF PARTICLES AND NUCLEI Volume: 48 Issue: 6 Pages: 960-963 Published: NOV 2017