

ԷՔՍՊԵՐԻՄԵՆՏԱԼ ՖԻԶԻԿԱՅԻ ԲԱԺԱՆՄՈՒՆՔԻ

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2018

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1. Search for pair-produced resonances decaying to quark 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 D Volume: 98 Issue: 11 Article Number: 112014 Published: DEC 28 2018

2.  $\Xi^*$  photoproduction from threshold to  $W=3.3$  GeV

By: Goetz, J. T.; Hicks, K.; Kunkel, M. C.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 6 Article Number: 062201 Published: DEC 27 2018

3. Search for pair and single production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collision data collected with the ATLAS detector at  $\sqrt{s}=13$  TeV

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 11 Article Number: 112010 Published: DEC 20 2018

4. Angular analysis of the decay  $B^+ \rightarrow K^+\mu^{(+)}\mu^{(-)}$  in proton-proton collisions at  $\sqrt{s}=8$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 11 Article Number: 112011 Published: DEC 20 2018

5. Event shape variables measured using multijet final states in proton-proton collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): The CMS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 117 Published: DEC 19 2018

6. Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at  $\sqrt{s(NN)}=5.02$  TeV Using Isolated Photon-Tagged Jets

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 24 Article Number:  
242301 Published: DEC 14 2018

7. Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 24 Article Number:  
241802 Published: DEC 12 2018

8. Search for Higgs boson pair production in the  $WW^*$  channel using pp collision data recorded 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: 78 Issue: 12 Article Number:  
1007 Published: DEC 11 2018

9. Search for resonant  $WZ$  production in the fully leptonic final state 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

PHYSICS LETTERS B Volume: 787 Pages: 68-88 Published: DEC 10 2018

10. Measurement of the azimuthal anisotropy of charged particles produced in  $\sqrt{s_{NN}}=5.02$  TeV Pb+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: 78 Issue: 12 Article Number:  
997 Published: DEC 8 2018

11. Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at  $\sqrt{s} \geq 13$  TeV with the ATLAS detector

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

Group Author(s): The ATLAS collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 039 Published: DEC  
7 2018

12. Search for electroweak production of supersymmetric particles in final states with two or three leptons 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: 78 Issue: 12 Article Number:  
995 Published: DEC 5 2018

13. Measurement of the  $Z \gamma \rightarrow \nu \nu \gamma$  production cross section in pp collisions

at  $\sqrt{s}=13$  TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 12 Article Number: 010 Published: DEC 3 2018

14. First ground-based measurement of sub-20 GeV to 100 GeV gamma-Rays from the Vela pulsar with HESS II

By: Abdalla, H.; Aharonian, F.; Benkhali, F. Ait; et al.

Group Author(s): HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 620 Article Number: A66 Published: DEC 3 2018

15. Technical supplement to "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.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 910 Pages: 54-78 Published: DEC 1 2018

16. Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at  $E_{\text{beam}}=4$  TeV

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

Group Author(s): ATLAS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P12006 Published: DEC 2018

17. Operation and performance of the ATLAS Tile Calorimeter in Run 1

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

Group Author(s): Atlas Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 12 Article Number: 987 Published: NOV 30 2018

18. Measurements of Higgs boson properties in the diphoton decay channel 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: 185 Published: NOV 29 2018

19. Measurement of jet substructure observables in  $t(\bar{t})$  events from 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: 98 Issue: 9 Article Number: 092014 Published: NOV 29 2018

20. Evidence for the Associated Production of a Single Top Quark and a Photon 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: 121 Issue: 22 Article Number:  
221802 Published: NOV 29 2018

21. Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks 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: 172 Published: NOV  
28 2018

22. Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 161 Published: NOV  
26 2018

23. Search for supersymmetry in events with a tau lepton pair 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: 11 Article Number: 151 Published: NOV  
23 2018

24. Search for the decay of a Higgs boson in the  $\gamma\gamma$  channel 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: 152 Published: NOV  
23 2018

25. Measurement of differential cross sections for Z boson production in association with 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: 78 Issue: 11 Article Number:  
965 Published: NOV 22 2018

26. Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton 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: 115 Published: NOV 20 2018

27. Measurements of the differential jet cross section as a function of the jet mass in dijet events from 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: 113 Published: NOV 20 2018

28. Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks 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: 121 Issue: 21 Article Number: 211801 Published: NOV 20 2018

29. Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons 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: 98 Issue: 9 Article Number: 092012 Published: NOV 19 2018

30. Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb 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 LETTERS Volume: 121 Issue: 21 Article Number: 212301 Published: NOV 19 2018

31. Search for long-lived particles with displaced vertices in multijet 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

PHYSICAL REVIEW D Volume: 98 Issue: 9 Article Number: 092011 Published: NOV 16 2018

32. Studies of  $B_s^{*2}(5840)(0)$  and  $B_{s1}(5830)(0)$  mesons including the observation of the  $B_s^{*2}(5840)(0) \rightarrow (BKS0)-K-0$  decay 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: 78 Issue: 11 Article Number: 939 Published: NOV 15 2018

33. Search for lepton-flavor-violating decays of the Z boson into a  $\tau$  lepton and a light lepton

with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 9 Article Number: 092010 Published: NOV 14 2018

34. Search for charged Higgs bosons decaying into top and bottom quarks at  $\sqrt{s}=13\text{TeV}$  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: 085 Published: NOV 13 2018

35. Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons 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: 11 Article Number: 079 Published: NOV 13 2018

36. Search for lepton-flavor violation in different-flavor, high-mass final states in pp collisions 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: 98 Issue: 9 Article Number: 092008 Published: NOV 13 2018

37. Search for a dark photon in electroproduced  $e^{(+)}e^{(-)}$  pairs with the Heavy Photon Search experiment at JLab

By: Adrian, P. H.; Baltzell, N. A.; Battaglieri, M.; et al.

Group Author(s): Heavy Photon Search Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 9 Article Number: 091101 Published: NOV 12 2018

38. Observation of  $H \rightarrow b\bar{b}$  decays and  $VH$  production with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 786 Pages: 59-86 Published: NOV 10 2018

39. Combined measurement of differential and total cross sections in the  $H \rightarrow \gamma\gamma$  and the  $H \rightarrow ZZ^* \rightarrow 4l$  decay channels at  $\sqrt{s}=13\text{ TeV}$  with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 786 Pages: 114-133 Published: NOV 10 2018

40. Searches for exclusive Higgs and Z boson decays into  $J/\psi\gamma$ ,  $\psi(2S)\gamma$ , and  $\Upsilon(nS)\gamma$  at  $\sqrt{s}=13\text{ TeV}$  with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 786 Pages: 134-155 Published: NOV 10 2018

41. Constraints on off-shell Higgs boson production and the Higgs boson total width in  $ZZ \rightarrow 4l$  and  $ZZ \rightarrow 2l2\nu$  final states with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 786 Pages: 223-244 Published: NOV 10 2018

42. Search for pair production of heavy vectorlike quarks decaying into hadronic final states 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 D Volume: 98 Issue: 9 Article Number: 092005 Published: NOV 9 2018

43. Performance of missing transverse momentum reconstruction with the ATLAS detector using proton proton collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 11 Article Number: 903 Published: NOV 8 2018

44. Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in  $36 \text{ fb}^{-1}$  of  $\sqrt{s} = 13$  TeV pp collisions with the ATLAS detector (vol 3, 174, 2018)

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 051 Published: NOV 8 2018

45. The gamma-ray spectrum of the core of Centaurus A as observed with HESS and Fermi-LAT

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

Group Author(s): HESS Collaboration; Fermi LAT Collaborators

ASTRONOMY & ASTROPHYSICS Volume: 619 Article Number: A71 Published: NOV 8 2018

46. Search for black holes and sphalerons in high-multiplicity 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 042 Published: NOV 7 2018

47. Search for Higgs boson pair production in the  $\gamma\gamma b\bar{b}$  final state

with 13TeV pp collision data collected by the ATLAS experiment

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 040 Published: NOV 7 2018

48. Measurement of dijet azimuthal decorrelations in pp collisions at  $\sqrt{s}=8$  TeV with the ATLAS detector and determination of the strong coupling

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 9 Article Number: 092004 Published: NOV 7 2018

49. Search for Resonant and Nonresonant Higgs Boson Pair Production in the  $b(b)\overline{\text{bar}}\tau(+)\tau(-)$  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

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 19 Article Number: 191801 Published: NOV 7 2018

50. Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 013 Published: NOV 6 2018

51. Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two tau leptons in proton-proton collisions at 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: 018 Published: NOV 6 2018

52. Measurement of the W-boson mass in pp collisions at  $\sqrt{s} = 7$  TeV with the ATLAS detector (vol 78, 110, 2018)

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 11 Article Number: 898 Published: NOV 5 2018

53. Measurement of the top quark mass with lepton plus jets final states using pp 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: 78 Issue: 11 Article Number: 891 Published: NOV 2 2018



54. Search for pair production of Higgsinos in final states with at least three b-tagged jets in  $\sqrt{s}=13$  TeV pp collisions using the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 9 Article Number: 092002 Published: NOV 2 2018

55. Search for physics beyond the standard model in high-mass diphoton events from 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: 98 Issue: 9 Article Number: 092001 Published: NOV 2 2018

56. Isotopic Dependence of Fragment Production Cross Sections in the Reactions of Deuterons on Enriched Lead and Tin Isotopes

By: Balabekyan, A. R.; Karapetyan, G.; Demekhina, N. A.; et al.

PHYSICS OF ATOMIC NUCLEI Volume: 81 Issue: 6 Pages: 804-809 Published: NOV 2018

57. Searches for gamma-ray lines and 'pure WIMP' spectra from Dark Matter annihilations in dwarf galaxies with HESS

By: Abdalla, H.; Aharonian, F.; Benkhali, F. Ait; et al.

Group Author(s): HESS Collaboration

JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS Issue: 11 Article Number: 037 Published: NOV 2018

58. Search for dark matter in events with a hadronically decaying vector boson 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: 10 Article Number: 180 Published: OCT 29 2018

59. Measurement of D-0, D+, D\*+ and D-s(+) production in Pb-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

By: Acharya, S.; Acosta, F. T. -.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Published: OCT 29 2018

60. Measurements of differential cross sections of top quark pair production in association with jets 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: 10 Article Number: 159 Published: OCT 25 2018

61. Measurement of the groomed jet mass in PbPb and pp collisions at  $\sqrt{s(NN)}=5.02$  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: 161 Published: OCT 25 2018

62. Charged-particle nuclear modification factors in XeXe collisions at  $\sqrt{s(NN)}=5.44$  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: 138 Published: OCT 22 2018

63. Measurement of colour flow using jet-pull observables in  $t(\bar{t})$  events with the ATLAS experiment at  $\sqrt{s}=13$  TeV  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 10 Article Number: 847 Published: OCT 22 2018

64. Medium modification of the shape of small-radius jets in central Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Acharya, S.; Acosta, F. T. -; Adamova, D.; et al.  
Group Author(s): The ALICE collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 139 Published: OCT 22 2018

65. Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb plus Pb 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  
PHYSICAL REVIEW C Volume: 98 Issue: 4 Article Number: 044905 Published: OCT 22 2018

66. Beam-target helicity asymmetry  $E$  in  $K^0$   $\Lambda$  and  $K^0$   $\Sigma(0)$  photoproduction on the neutron  
By: Ho, D. H.; Schumacher, R. A.; D'Angelo, A.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW C Volume: 98 Issue: 4 Article Number: 045205 Published: OCT 19 2018

67. Measurement of the production cross section for single top quarks in association with W bosons 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: 117 Published: OCT 18 2018

68. Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark 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; ATLAS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 121 Issue: 15 Article Number: 152002 Published: OCT 12 2018
69. Study of jet quenching with isolated-photon plus jet correlations in PbPb and pp 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: 785 Pages: 14-39 Published: OCT 10 2018
70. Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p-p collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector at the LHC  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICS LETTERS B Volume: 785 Pages: 136-158 Published: OCT 10 2018
71. Azimuthally-differential pion femtoscopy relative to the third harmonic event plane in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 785 Pages: 320-331 Published: OCT 10 2018
72. Inclusive J/psi production in Xe-Xe collisions at  $\sqrt{s(NN)}=5.44$  TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
PHYSICS LETTERS B Volume: 785 Pages: 419-428 Published: OCT 10 2018
73. Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two tau leptons in proton-proton collisions at  $\sqrt{s}=13$  TeV The CMS Collaboration  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 785 Pages: 462-488 Published: OCT 10 2018
74. Measurements of low-p(T) electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 10 Article Number: 061 Published: OCT 9 2018
75. Measurement of unpolarized and polarized cross sections for deeply virtual Compton scattering on the proton at Jefferson Laboratory with CLAS

By: Saylor, N. Hirlinger; Guegan, B.; Burkert, V. D.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 4 Article Number: 045203 Published: OCT 9 2018

76. Angular analysis of  $B-d(0) \rightarrow K^* \mu^{(+)}\mu^{(-)}$  decays 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: 10 Article Number: 047 Published: OCT 8 2018

77. Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 4 Article Number: 044902 Published: OCT 5 2018

78. Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 14 Article Number: 141802 Published: OCT 5 2018

79. Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the  $H \rightarrow aa \rightarrow 4b$  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: 031 Published: OCT 4 2018

80. Neutral pion and eta meson production at midrapidity in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 4 Article Number: 044901 Published: OCT 4 2018

81. Observation of the  $Z \rightarrow \psi l^{(+)}l^{(-)}$  Decay in pp 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: 121 Issue: 14 Article Number: 141801 Published: OCT 4 2018

82. LUE-75 Linear Accelerator Facility at Yerevan Physics Institute

By: Sirunyan, A.; Hakobyan, A.; Aivazyan, G.; et al.

JOURNAL OF CONTEMPORARY PHYSICS-ARMENIAN ACADEMY OF SCIENCES Volume:  
53 Issue: 4 Pages: 271-278 Published: OCT 2018

83. Precision measurement of the structure of the CMS inner tracking system using nuclear interactions

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

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P10034 Published:  
OCT 2018

84. Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

NUCLEAR PHYSICS A Volume: 978 Pages: 65-106 Published: OCT 2018

85. Performance of reconstruction and identification of tau leptons decaying to hadrons and  $\nu(\tau)$  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 INSTRUMENTATION Volume: 13 Article Number: P10005 Published:  
OCT 2018

86. Search for new physics in dijet angular distributions using 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number:  
789 Published: SEP 28 2018

87. Prompt and non-prompt  $J/\psi$  elliptic flow in Pb 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number:  
784 Published: SEP 27 2018

88. Photoproduction of  $K^+ K^-$  meson pairs on the proton

By: Lombardo, S.; Battaglieri, M.; Celentano, A.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 5 Article Number: 052009 Published: SEP  
27 2018

89. Search for Z gamma resonances using leptonic and hadronic 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 148 Published: SEP 26 2018

90. Combination of searches for heavy resonances decaying into bosonic and leptonic final states using 36 fb<sup>-1</sup> 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

PHYSICAL REVIEW D Volume: 98 Issue: 5 Article Number: 052008 Published: SEP 26 2018

91. Determination of electroweak parameters in polarised deep-inelastic scattering at HERA

By: Spiesberger, H.; Andreev, V.; Baghdasaryan, A.; et al.

Group Author(s): H1 Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number: 777 Published: SEP 26 2018

92. Search for charged Higgs bosons decaying via  $H^{\pm} \rightarrow \tau(\pm)\nu(\tau)$  in the tau plus jets and tau plus lepton final states with 36 fb<sup>-1</sup> of pp collision data recorded at  $\sqrt{s}=13$  TeV with the ATLAS experiment

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 139 Published: SEP 25 2018

93. Prompt and non-prompt  $J/\psi$  and  $\psi(2S)$  suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number: 762 Published: SEP 21 2018

94. The starburst galaxy NGC 253 revisited by HESS and Fermi-LAT

By: Abdalla, H.; Aharonian, F.; Benkhali, F. Ait; et al.

Group Author(s): HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 617 Article Number: A73 Published: SEP 20 2018

95. Measurements of Higgs boson properties in the diphoton decay channel with 36 fb<sup>-1</sup> of pp collision data at  $\sqrt{s}=13$  TeV with the ATLAS detector

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

PHYSICAL REVIEW D Volume: 98 Issue: 5 Article Number: 052005 Published: SEP 18 2018

96. Search for a heavy resonance decaying into a Z boson and a Z or W boson in 2l2q final

states 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: 9 Article Number: 101 Published: SEP 18 2018

97. Observation of Higgs Boson Decay to Bottom Quarks

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 12 Article Number: 121801 Published: SEP 17 2018

98. Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton 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: 9 Article Number: 065 Published: SEP 12 2018

99. Dielectron production in proton-proton collisions at root  $s=7$  TeV

By: Acharya, S.; Collaboration, A. L. I. C. E.; Acosta, F. T.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 064 Published: SEP 12 2018

100. Anisotropic flow in Xe-Xe collisions at root  $s(NN)=5.44$  TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 784 Pages: 82-95 Published: SEP 10 2018

101. Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 784 Pages: 173-191 Published: SEP 10 2018

102. Measurement of the Higgs boson mass in the  $H \rightarrow ZZ^* \rightarrow 4l$  and  $H \rightarrow \gamma\gamma$  channels with root  $s=13$  TeV pp collisions using the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 784 Pages: 345-366 Published: SEP 10 2018

103. Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in root  $s=13$  TeV pp collisions with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 98 Issue: 5 Article Number: 052003 Published: SEP 10 2018

104. Search for supersymmetry in final states with charm jets and missing transverse momentum in 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: 9 Article Number: 050 Published: SEP 10 2018
105. Search for dark matter produced in association with a Higgs boson decaying to gamma gamma or tau(+)tau(-) 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: 9 Article Number: 046 Published: SEP 10 2018
106. Measurement of the Z/gamma\* -> tau tau cross section in pp collisions at root s=13 TeV and validation of tau lepton analysis techniques  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number: 708 Published: SEP 3 2018
107. Search for third-generation scalar leptoquarks decaying to a top quark and a tau lepton at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number: 707 Published: SEP 3 2018
108. Anisotropic flow of identified particles in Pb-Pb collisions at root s(NN)=5.02 TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 9 Article Number: 006 Published: SEP 3 2018
109. Search for additional neutral MSSM Higgs bosons in the tau tau final state 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: 9 Article Number: 007 Published: SEP 3 2018
110. Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 9 Article Number: 701 Published: SEP 1 2018



111. Center of Mass Motion of Short-Range Correlated Nucleon Pairs studied via the  $A(e, e' pp)$  Reaction

By: Cohen, E. O.; Hen, O.; Piasetzky, E.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 9 Article Number:  
092501 Published: AUG 31 2018

112. Measurement of charged particle spectra in minimum-bias events from 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: 78 Issue: 9 Article Number:  
697 Published: AUG 31 2018

113. Probing high-momentum protons and neutrons in neutron-rich nuclei

By: Duer, M.; Collaboration, C. L. A. S.; Hen, O.; et al.

NATURE Volume: 560 Issue: 7720 Pages: 617-+ Published: AUG 30 2018

114. Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets 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: 98 Issue: 3 Article Number: 032016 Published: AUG  
30 2018

115. Observation of the  $\chi(b1)(3P)$  and  $\chi(b2)(3P)$  and Measurement of their Masses

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 9 Article Number:  
092002 Published: AUG 29 2018

116. Search for vector-like T and B quark pairs in final states with leptons 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: 177 Published: AUG  
28 2018

117. Search for heavy resonances decaying to a photon and a hadronically decaying Z/W/H 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 D Volume: 98 Issue: 3 Article Number: 032015 Published: AUG  
28 2018

118. Measurement of the Soft-Drop Jet Mass 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: 121 Issue: 9 Article Number:  
092001 Published: AUG 28 2018

119. Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 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: 152 Published: AUG  
23 2018

120. Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp Collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 8 Article Number:  
081801 Published: AUG 22 2018

121. Search for narrow and broad dijet resonances in proton-proton collisions at  $\sqrt{s}=13$  TeV and constraints on dark matter mediators and other new particles

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 130 Published: AUG  
21 2018

122. Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p plus Pb Collisions at  $\sqrt{s_{NN}}=8.16$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 121 Issue: 8 Article Number:  
082301 Published: AUG 21 2018

123. Measurements of the  $\gamma(\text{u})p \rightarrow p \pi^+\pi^-$  cross section with the CLAS detector for  $0.4 \text{ GeV}^2 < Q^2 < 1.0 \text{ GeV}^2$  and  $1.3 \text{ GeV} < W < 1.825 \text{ GeV}$

By: Fedotov, G., V.; Skorodumina, Iu A.; Burkert, V. D.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 2 Article Number: 025203 Published: AUG  
21 2018

124. Search for beyond the standard model Higgs bosons decaying into a  $b\bar{b}$  pair 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: 8 Article Number: 113 Published: AUG  
20 2018

125. Measurement of jet fragmentation in Pb plus Pb and pp collisions at root 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: 98 Issue: 2 Article Number: 024908 Published: AUG 16 2018
126. Search for top squarks decaying to tau sleptons in pp collisions at root 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: 98 Issue: 3 Article Number: 032008 Published: AUG 16 2018
127. Search for supersymmetry in events with four or more leptons in root s=13 TeV pp collisions with ATLAS  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICAL REVIEW D Volume: 98 Issue: 3 Article Number: 032009 Published: AUG 15 2018
128. Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying tau leptons 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: 8 Article Number: 066 Published: AUG 13 2018
129. Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at root s=13 TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 98 Issue: 3 Article Number: 032005 Published: AUG 10 2018
130. Constraints on jet quenching in p-Pb collisions at root s(NN)=5.02 TeV measured by the event-activity dependence of semi-inclusive hadron-jet distributions  
By: Acharya, S.; Collaboration, A. L. I. C. E.; Adamova, D.; et al.  
PHYSICS LETTERS B Volume: 783 Pages: 95-113 Published: AUG 10 2018
131. First measurement of Xi(-) polarization in photoproduction  
By: Bono, J.; Guo, L.; Raue, B. A.; et al.  
PHYSICS LETTERS B Volume: 783 Pages: 280-286 Published: AUG 10 2018
132. Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the llbb final state in pp collisions at root 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: 783 Pages: 392-414 Published: AUG 10 2018

133. Search for pair production of heavy vector-like quarks decaying into high-(PT) W bosons and top quarks in the lepton-plus-jets 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 048 Published: AUG 10 2018

134. Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead 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: 121 Issue: 6 Article Number: 062002 Published: AUG 7 2018

135. Search for disappearing tracks as a signature of new long-lived particles 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: 016 Published: AUG 7 2018

136. Search for flavor-changing neutral currents in top quark decays  $t \rightarrow Hc$  and  $t \rightarrow Hu$  in multilepton final states 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: 98 Issue: 3 Article Number: 032002 Published: AUG 6 2018

137. Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with 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: 78 Issue: 8 Article Number: 625 Published: AUG 6 2018

138. Neutral pion and eta meson production in p-Pb collisions at  $\sqrt{S-NN}=5.02$  TeV

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

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 8 Article Number: 624 Published: AUG 6 2018

139. Measurement of the cross section for top quark pair production in association with a W

or Z 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 011 Published: AUG 3 2018

140. Search for flavour-changing neutral current top-quark decays  $t \rightarrow qZ$  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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 176 Published: JUL 31 2018

141. The light speed versus the observer: the Kennedy-Thorndike test from GRAAL-ESRF

By: Gurzadyan, V. G.; Margaryan, A. T.

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 8 Article Number: 607 Published: JUL 30 2018

142. Measurements of  $t(\bar{t})$  differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at  $\sqrt{s}=13$  TeV using the ATLAS detector

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

PHYSICAL REVIEW D Volume: 98 Issue: 1 Article Number: 012003 Published: JUL 25 2018

143. Inclusive  $J/\psi$  production at forward and backward rapidity in p-Pb collisions at  $\sqrt{s(NN)}=8.16$  TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 160 Published: JUL 25 2018

144. Measurement of the inelastic proton-proton cross section 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: 7 Article Number: 161 Published: JUL 25 2018

145. Exclusive photoproduction of  $\pi^0$  up to large values of Mandelstam variables  $s$ ,  $t$ , and  $u$  with CLAS

By: Kunkel, M. C.; Amarian, M. J.; Strakovsky, I. I.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 98 Issue: 1 Article Number: 015207 Published: JUL 25 2018

146. Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer

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

Group Author(s): CMS Collaboration; CMS Collaboration; TOTEM Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 153 Published: JUL 24 2018

147. Electroweak production of two jets in association with a Z boson in proton-proton collisions  $\sqrt{s} = 13$  TeV

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

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 589 Published: JUL 20 2018

148. Search for exclusive Higgs and Z boson decays to  $\phi$   $\gamma$  and  $\rho$   $\gamma$  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: 127 Published: JUL 19 2018

149. Search for a singly produced third-generation scalar leptoquark decaying to a tau lepton and a bottom quark 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: 7 Article Number: 115 Published: JUL 18 2018

150. Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at  $\sqrt{s(NN)} = 5.02$  and  $2.76$  TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 103 Published: JUL 16 2018

151. Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets 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: 089 Published: JUL 12 2018

152. Search for a heavy resonance decaying into a Z boson and a vector boson in the  $\nu(\bar{\nu})\bar{q}(q)$  final state

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 075 Published: JUL 11 2018

153. Search for new physics in events with two soft oppositely charged leptons 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  
PHYSICS LETTERS B Volume: 782 Pages: 440-467 Published: JUL 10 2018
154. Nuclear modification factor of D-0 mesons in PbPb 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: 782 Pages: 474-496 Published: JUL 10 2018
155. Differential cross section for  $\gamma d \rightarrow \omega d$  using CLAS at Jefferson Lab  
By: Chetry, T.; Hicks, K.; Compton, N.; et al.  
PHYSICS LETTERS B Volume: 782 Pages: 646-651 Published: JUL 10 2018
156. Semi-inclusive  $\pi(0)$  target and beam-target asymmetries from 6 GeV electron scattering with CLAS  
By: Jawalkar, S.; Koirala, S.; Avakian, H.; et al.  
PHYSICS LETTERS B Volume: 782 Pages: 662-667 Published: JUL 10 2018
157. Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the  $\gamma\gamma jj$  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: 782 Pages: 750-767 Published: JUL 10 2018
158. Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp 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: 78 Issue: 7 Article Number: 566 Published: JUL 10 2018
159. Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events 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  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 565 Published: JUL 9 2018
160. Measurement of the inclusive  $J/\psi$  polarization at forward rapidity in pp collisions at  $\sqrt{s}=8$  TeV  
By: Acharya, S.; Acosta, F-T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number: 562 Published: JUL 9 2018

161. Measurement of b hadron lifetimes in pp collisions at  $\sqrt{s} = 8\text{TeV}$  (vol 78, 2018)

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

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number:

561 Published: JUL 9 2018

162. phi meson production at forward rapidity in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76\text{ TeV}$

By: Acharya, S.; Acosta, F. -T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 7 Article Number:

559 Published: JUL 7 2018

163. Measurement of the underlying event activity in inclusive Z boson 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 032 Published: JUL 5

2018

164. Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at  $\sqrt{s}=13\text{ TeV}$

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 166 Published: JUN 29

2018

165. Search for high-mass resonances in final states with a lepton and missing transverse momentum 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: 6 Article Number: 128 Published: JUN 25

2018

166. Search for a new scalar resonance decaying to a pair of Z bosons 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: 6 Article Number: 127 Published: JUN 25

2018

167. Search for high-mass resonances in dilepton final states 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: 6 Article Number: 120 Published: JUN 22

2018



168. Measurements of the  $pp \rightarrow ZZ$  production cross section and the  $Z \rightarrow 4l$  branching fraction, and constraints on anomalous triple gauge couplings at  $\sqrt{s} = 13$  TeV (vol 78, 165, 2018)

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

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 515 Published: JUN 22 2018

169. Search for supersymmetry in final states with missing transverse momentum and multiple b-jets 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 107 Published: JUN 21 2018

170. Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb<sup>-1</sup> 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: 6 Article Number: 108 Published: JUN 21 2018

171. Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks 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: 6 Article Number: 102 Published: JUN 20 2018

172. Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV

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

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 509 Published: JUN 20 2018

173. Search for  $t(\bar{t})\rightarrow H$  production in the all-jet final state in proton-proton collisions  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Article Number: 101 Published: JUN 20 2018

174. Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton plus jets events from pp 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: 97 Issue: 11 Article Number: 112003 Published: JUN 15 2018

175. Bose-Einstein correlations in pp, pPb, and PbPb collisions at  $\sqrt{s(NN)}=0.9-7$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 6 Article Number: 064912 Published: JUN 14 2018

176. Measurement of the inclusive and fiducial  $t(\bar{t})$  production cross-sections in the lepton plus jets channel 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: 78 Issue: 6 Article Number: 487 Published: JUN 12 2018

177. Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and 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 LETTERS Volume: 120 Issue: 24 Article Number: 241801 Published: JUN 11 2018

178. Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark 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

PHYSICS LETTERS B Volume: 781 Pages: 244-269 Published: JUN 10 2018

179. First measurement of  $\Xi(0)c$  production in pp collisions at  $\sqrt{s}=7$  TeV

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

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 8-19 Published: JUN 10 2018

180. Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

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

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 781 Pages: 20-32 Published: JUN 10 2018

181. Measurement of the production cross section of three isolated photons 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

PHYSICS LETTERS B Volume: 781 Pages: 55-76 Published: JUN 10 2018

182. Search for  $W' \rightarrow tb$  decays in the hadronic final state using 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: 781 Pages: 327-348 Published: JUN 10 2018
183. Search for excited quarks of light and heavy flavor in gamma plus jet 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  
PHYSICS LETTERS B Volume: 781 Pages: 390-411 Published: JUN 10 2018
184. Measurement of angular parameters from the decay  $B^0 \rightarrow K^{*0}\mu^{+}\mu^{-}$  in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 781 Pages: 517-541 Published: JUN 10 2018
185. Search for single production of a vector-like T quark decaying to a Z boson and a top quark 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: 781 Pages: 574-600 Published: JUN 10 2018
186. Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA  
By: Abramowicz, H.; Abt, I.; Adamczyk, L.; et al.  
Group Author(s): H1 Collaboration; ZEUS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 473 Published: JUN 9 2018
187. Prompt and non-prompt J/psi production and nuclear modification at mid-rapidity in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV  
By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 466 Published: JUN 8 2018
188. Measurement of b hadron lifetimes in pp collisions at  $\sqrt{s}=8$ TeV  
By: Sirunyan, A. M.; Collaboration, C. M. S.; Tumasyan, A.; et al.  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 6 Article Number: 457 Published: JUN 7 2018
189. Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb<sup>-1</sup> 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

PHYSICAL REVIEW D Volume: 97 Issue: 11 Article Number: 112001 Published: JUN 6 2018

190. Search for long-lived charginos based on a disappearing-track signature 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: 6 Article Number: 022 Published: JUN 5 2018

191. Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum 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: 6 Article Number: 027 Published: JUN 5 2018

192. Search for single production of vector-like quarks decaying to a b quark and a Higgs boson

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Published: JUN 5 2018

193. Observation of  $(t\bar{t})\rightarrow b\bar{H}$  Production

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 23 Article Number: 231801 Published: JUN 4 2018

194. Performance of the CMS muon detector and muon reconstruction with 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 INSTRUMENTATION Volume: 13 Article Number: P06015 Published: JUN 2018

195. Search for lepton flavour violating decays of the Higgs boson to  $\mu\tau$  and  $e\tau$  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: 6 Article Number: 001 Published: JUN 1 2018

196. Measurements of differential cross sections of top quark pair production as a function of kinematic event variables 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: 6 Article Number: 002 Published: JUN 1 2018

197. Measurement of inclusive jet and dijet cross-sections 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 195 Published: MAY 30 2018

198. Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

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

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 22 Article Number: 221801 Published: MAY 29 2018

199. Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 148 Published: MAY 24 2018

200. Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in  $36 \text{ fb}^{-1}$  of pp collisions  $\sqrt{s}=13$  TeV with the ATLAS experiment

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 5 Article Number: 401 Published: MAY 22 2018

201. Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 21 Article Number: 211802 Published: MAY 22 2018

202. Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 9 Article Number: 092006 Published: MAY 22 2018

203. Search for decays of stopped exotic long-lived particles produced 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: 5 Article Number: 127 Published: MAY 21 2018

204. Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 9 Article Number: 092005 Published: MAY 21 2018

205. Search for a Structure in the  $B_s(0) \pi^{(\pm)}$  Invariant Mass Spectrum with the ATLAS Experiment

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 202007 Published: MAY 18 2018

206. Search for the  $X(5568)$  State Decaying into  $B_s(0)\pi^{(\pm)}$  in Proton-Proton Collisions at  $\sqrt{s}=8$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 202005 Published: MAY 18 2018

207. Measurement of Prompt D-0 Meson Azimuthal Anisotropy 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: 120 Issue: 20 Article Number: 202301 Published: MAY 16 2018

208. Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 088 Published: MAY 15 2018

209. Search for gamma-Ray Line Signals from Dark Matter Annihilations in the Inner Galactic Halo from 10 Years of Observations with HESS

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

Group Author(s): HESS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number: 201101 Published: MAY 15 2018

210. Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton

Collisions at  $\sqrt{s}=8$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 20 Article Number:  
201801 Published: MAY 14 2018

211. Measurement of differential cross sections and  $W^+/W^-$  cross-section ratios for  $W$  boson production in association with jets 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: 5 Article Number: 077 Published: MAY 11  
2018

212. Search for collectivity with azimuthal  $J/\psi$ -hadron correlations in high multiplicity  $p$ -Pb collisions at  $\sqrt{s(NN)}=5.02$  and 8.16 TeV

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

Group Author(s): Alice Collaboration

PHYSICS LETTERS B Volume: 780 Pages: 7-20 Published: MAY 10 2018

213. Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum 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: 780 Pages: 118-143 Published: MAY 10 2018

214. Measurement of quarkonium production cross sections 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: 780 Pages: 251-272 Published: MAY 10 2018

215. Hard exclusive pion electroproduction at backward angles with CLAS

By: Park, K.; Guidal, M.; Gothe, R. W.; et al.

PHYSICS LETTERS B Volume: 780 Pages: 340-345 Published: MAY 10 2018

216. Measurement of  $Z(0)$ -boson production at large rapidities 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

PHYSICS LETTERS B Volume: 780 Pages: 372-383 Published: MAY 10 2018

217. Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the 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

PHYSICS LETTERS B Volume: 780 Pages: 384-409 Published: MAY 10 2018

218. Search for new long-lived particles at  $\sqrt{s}=13$  TeV  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 432-454 Published: MAY 10 2018
219. Evidence for the Higgs boson decay to a bottom quark-antiquark pair  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 501-532 Published: MAY 10 2018
220. Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICS LETTERS B Volume: 780 Pages: 557-577 Published: MAY 10 2018
221. Measurement of the cross section for isolated-photon plus jet 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: 780 Pages: 578-602 Published: MAY 10 2018
222. Precision measurement of the weak charge of the proton  
By: Androic, D.; Armstrong, D. S.; Asaturyan, A.; et al.  
Group Author(s): Jefferson Lab Qweak Collaboration  
NATURE Volume: 557 Issue: 7704 Pages: 207-+ Published: MAY 10 2018
223. Search for natural and split supersymmetry in proton-proton collisions at  $\sqrt{s}=13$  TeV in final states with jets and missing transverse momentum  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 025 Published: MAY 4 2018
224. Measurement of the beam asymmetry  $\Sigma$  and the target asymmetry  $T$  in the photoproduction of omega mesons off the proton using CLAS at Jefferson Laboratory  
By: Roy, P.; Akbar, Z.; Park, S.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW C Volume: 97 Issue: 5 Article Number: 055202 Published: MAY 4 2018
225. Jet properties in PbPb and pp collisions at  $\sqrt{S_{NN}}=5.02$  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: 006 Published: MAY 2 2018



226. Direct measurements of the lifetime of medium-heavy hypernuclei

By: Qiu, X.; Tang, L.; Chen, C.; et al.

Group Author(s): HKS JLab E02-017 Collaboration

NUCLEAR PHYSICS A Volume: 973 Pages: 116-148 Published: MAY 2018

227. Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P05011 Published: MAY 2018

228. HESS discovery of very high energy gamma-ray emission from PKS 0625-354

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

Group Author(s): H E S S Collaboration

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: 476 Issue: 3 Pages: 4187-4198 Published: MAY 2018

229. Search for the standard model Higgs boson produced in association with top quarks and decaying into a  $b\bar{b}$  pair 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 D Volume: 97 Issue: 7 Article Number: 072016 Published: APR 30 2018

230. Measurements of the separated longitudinal structure function  $F_L$  from hydrogen and deuterium targets at low  $Q^2$

By: Tvaskis, V.; Tvaskis, A.; Niculescu, I.; et al.

PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 045204 Published: APR 26 2018

231. Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 4 Article Number: 044912 Published: APR 23 2018

232. Search for High-Mass Resonances Decaying to  $\tau \nu$  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: 120 Issue: 16 Article Number: 161802 Published: APR 20 2018

233.  $\Lambda^+(c)$  production in pp collisions at  $\sqrt{s}=7$  TeV and in p-Pb collisions at  $\sqrt{s_{NN}}=5.02$  TeV

By: Acharya, S.; Acosta, F. T.; Adamova, D.; et al.

Group Author(s): ALICE Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 108 Published: APR 18 2018

234. Measurement of the  $\Lambda(b)$  polarization and angular parameters in  $\Lambda(b) \rightarrow J/\psi \Lambda$  decays from pp collisions at  $\sqrt{s}=7$  and 8 TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072010 Published: APR 17 2018

235. Search for lepton-flavor violating decays of heavy resonances and quantum black holes to  $e \mu$  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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 073 Published: APR 13 2018

236. Measurement of normalized differential  $t(\bar{t})$  cross sections in the dilepton channel from 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: 4 Article Number: 060 Published: APR 11 2018

237. Search for heavy ZZ resonances in the  $l^{(+)} l^{(-)} l^{(+)} l^{(-)}$  and  $l^{(+)} l^{(-)} \nu(\bar{\nu})$  final states using 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 4 Article Number: 293 Published: APR 11 2018

238. Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance 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: 78 Issue: 4 Article Number: 291 Published: APR 11 2018

239. Search for vectorlike light-flavor quark partners in proton-proton collisions at  $\sqrt{s}=8$  TeV

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

PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072008 Published: APR 11 2018

240. A search for resonances decaying into a Higgs boson and a new particle X in the  $XH \rightarrow$

qqbb final state with the ATLAS detector

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

Group Author(s): Atlas Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 24-45 Published: APR 10 2018

241. Search for pair production of vector-like quarks in the  $bW(b)\overline{b}W$  channel from proton-proton collisions at  $\sqrt{s}=13\text{TeV}$

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

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 82-106 Published: APR 10 2018

242. Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at  $\sqrt{s}=13\text{TeV}$

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

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 166-190 Published: APR 10 2018

243. Observation of the Higgs boson decay to a pair of tau leptons with the CMS detector

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

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 283-316 Published: APR 10 2018

244. Measurement of the associated production of a single top quark and a Z boson in pp collisions at,  $\sqrt{s}=13\text{TeV}$

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

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 779 Pages: 358-384 Published: APR 10 2018

245. Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states 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: 97 Issue: 7 Article Number: 072006 Published: APR 10 2018

246. Combination of inclusive and differential  $t(t)\overline{t}$  charge asymmetry measurements using ATLAS and CMS data at  $\sqrt{S}=7$  and  $8\text{TeV}$

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

Group Author(s): ATLAS Collaboration; ATLAS Collaboration; CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 033 Published: APR 9 2018

247. Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 7 Article Number: 072003 Published: APR

9 2018

248. Deeper HESS observations of Vela Junior (RX J0852.0-4622): Morphology studies and resolved spectroscopy

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A7 Published: APR 9 2018

249. A search for very high-energy flares from the microquasars GRS 1915+105, Circinus X-1, and V4641 Sgr using contemporaneous HESS and RXTE observations

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A10 Published: APR 9 2018

250. Characterising the VHE diffuse emission in the central 200 parsecs of our Galaxy with HESS

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A9 Published: APR 9 2018

251. HESS J1741-302: a hidden accelerator in the Galactic plane

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

Group Author(s): NANTEN Collaboration; HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A13 Published: APR 9 2018

252. Population study of Galactic supernova remnants at very high gamma-ray energies with HESS

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A3 Published: APR 9 2018

253. Extended VHE gamma-ray emission towards SGR1806-20, LBV 1806-20, and stellar cluster Cl\*1806-20

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

Group Author(s): HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A11 Published: APR 9 2018

254. The HESS Galactic plane survey

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A1 Published: APR 9 2018

2018

255. The supernova remnant W49B as seen with HESS and Fermi-LAT

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

Group Author(s): H E S S Collaboration; H E S S Collaboration; Fermi-LAT Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A5 Published: APR 9 2018

256. The population of TeV pulsar wind nebulae in the HESS Galactic Plane Survey

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A2 Published: APR 9 2018

257. Systematic search for very-high-energy gamma-ray emission from bow shocks of runaway stars

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

Group Author(s): HESS Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A12 Published: APR 9 2018

258. A search for new supernova remnant shells in the Galactic plane with HESS

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A8 Published: APR 9 2018

259. HESS observations of RX J1713.7-3946 with improved angular and spectral resolution: Evidence for gamma-ray emission extending beyond the X-ray emitting shell

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

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A6 Published: APR 9 2018

260. Detailed spectral and morphological analysis of the shell type supernova remnant RCW 86

By: Abramowski, A.; Aharonian, F.; Benkhali, F. Ait; et al.

Group Author(s): H E S S Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A4 Published: APR 9 2018

261. Constraints on particle acceleration in SS433/W50 from MAGIC and HESS observations

By: Ahnen, M. L.; Ansoldi, S.; Antonelli, L. A.; et al.

Group Author(s): HESS Collaboratio; MAGIC Collaboration

ASTRONOMY & ASTROPHYSICS Volume: 612 Article Number: A14 Published: APR 9 2018

262. Measurement of associated Z plus charm production 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 4 Article Number:  
287 Published: APR 9 2018

263. Measurement of the Splitting Function in  $\sqrt{s}=5.02\text{ TeV}$  Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 14 Article Number:  
142302 Published: APR 3 2018

264. Suppression of Excited gamma States Relative to the Ground State in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$

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

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 14 Article Number:  
142301 Published: APR 2 2018

265. NUCLEON AND NUCLEAR STRUCTURE THROUGH DILEPTON PRODUCTION

By: Anikin, I. V.; Baltzell, N.; Boer, M.; et al.

ACTA PHYSICA POLONICA B Volume: 49 Issue: 4 Pages: 741-784 Published: APR  
2018

266. Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at  $\sqrt{s_{NN}}=5.02\text{ TeV}$

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 181 Published: MAR  
29 2018

267. Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in  $36\text{ fb}^{-1}$  of  $\sqrt{s}=13\text{ TeV}$  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: 174 Published: MAR  
28 2018

268. Measurement of differential cross sections in the kinematic angular variable  $\phi^*$  for inclusive Z boson production in pp collisions at  $\sqrt{s}=8\text{ TeV}$

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 172 Published: MAR  
28 2018

269. Search for long-lived, massive particles in events with displaced vertices 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  
PHYSICAL REVIEW D Volume: 97 Issue: 5 Article Number: 052012 Published: MAR 28 2018
270. Search for natural supersymmetry in events with top quark pairs and photons 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: 3 Article Number: 167 Published: MAR 27 2018
271. Search for electroweak production of charginos and neutralinos 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  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 166 Published: MAR 27 2018
272. Combined search for electroweak production of charginos and neutralinos 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: 160 Published: MAR 27 2018
273. Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra 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: 97 Issue: 5 Article Number: 052010 Published: MAR 27 2018
274.  $\pi(0)$  and eta meson production in proton-proton collisions at  $\sqrt{s}=8$  TeV  
By: Acharya, S.; Adam, J.; Adamova, D.; et al.  
Group Author(s): ALICE Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 263 Published: MAR 26 2018
275. A search for pair-produced resonances in four-jet final states 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: 78 Issue: 3 Article Number: 250 Published: MAR 22 2018

276. Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at  $\sqrt{s}=7$  TeV

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

Group Author(s): CMS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 242 Published: MAR 21 2018

277. Design and performance of the spin asymmetries of the nucleon experiment

By: Maxwell, J. D.; Armstrong, W. R.; Choi, S.; et al.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 885 Pages: 145-159 Published: MAR 21 2018

278. Measurement of the inclusive  $t(\bar{t})$  cross section in pp collisions  $\sqrt{s}=5.02$  TeV using final states with at least one charged lepton

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 115 Published: MAR 20 2018

279. Measurement of the Higgs boson coupling properties in the  $H \rightarrow ZZ^* \rightarrow 4l$  decay channel 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: 3 Article Number: 095 Published: MAR 15 2018

280. Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum 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: 3 Article Number: 076 Published: MAR 13 2018

281. Search for Higgs boson pair production in events with two bottom quarks and two tau leptons 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: 778 Pages: 101-127 Published: MAR 10 2018

282. Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at  $\sqrt{s}=13$ TeV

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 199 Published: MAR 10 2018



283. Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino 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: 778 Pages: 263-291 Published: MAR 10 2018
284. Search for pair production of excited top quarks in the lepton plus jets final state The CMS Collaboration  
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICS LETTERS B Volume: 778 Pages: 349-370 Published: MAR 10 2018
285. D-Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions  $\sqrt{s_{NN}}=5.02$  TeV  
By: Acharya, S.; Adamova, D.; Adolfsson, J.; et al.  
PHYSICAL REVIEW LETTERS Volume: 120 Issue: 10 Article Number: 102301 Published: MAR 9 2018
286. Search for WW/WZ resonance production in  $lvqq$  final states in pp collisions at  $\sqrt{s}=13$  TeV with the ATLAS detector  
By: Aaboudd, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 042 Published: MAR 8 2018
287. Measurement of differential cross-sections of a single top quark produced in association with a W boson at  $\sqrt{s}=13$ TeV with ATLAS  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 186 Published: MAR 6 2018
288. Searches for heavy ZZ and ZW resonances in the  $llqq$  and  $\nu\nu qq$  final states 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: 3 Article Number: 009 Published: MAR 5 2018
289. Search for ZZ resonances in the  $2l2\nu$  final state in proton-proton collisions at 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: 003 Published: MAR 5 2018
290. Detection of variable VHE gamma-ray emission from the extra-galactic gamma-ray binary LMC P3

By: Abdalla, H.; Collaboration, H. E. S. S.; Abramowski, A.; et al.

ASTRONOMY & ASTROPHYSICS Volume: 610 Article Number: L17 Published: MAR 2 2018

291. Production of He-4 and  $\langle \overline{\text{He}} \rangle$  in Pb-Pb collisions at  $\sqrt{s_{NN}}=2.76$  TeV at the LHC

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

NUCLEAR PHYSICS A Volume: 971 Pages: 1-20 Published: MAR 2018

292. Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector

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

Group Author(s): Atlas Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 3 Article Number: 171 Published: FEB 28 2018

293. Separated kaon electroproduction cross section and the kaon form factor from 6 GeV JLab data

By: Carmignotto, M.; Ali, S.; Aniol, K.; et al.

Group Author(s): JLAB FPI-2 & E93-018 Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 025204 Published: FEB 28 2018

294. Double K-S(0) photoproduction off the proton at CLAS

By: Chandavar, S.; Goetz, J. T.; Hicks, K.; et al.

Group Author(s): CLAS Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 025203 Published: FEB 26 2018

295. Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p plus Pb Collisions at the LHC

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 9 Article Number: 092301 Published: FEB 26 2018

296. Measurement of tau polarisation in  $Z/\gamma^* \rightarrow \tau\tau$  decays 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number: 163 Published: FEB 24 2018

297. Measurements of the  $pp \rightarrow ZZ$  production cross section and the  $Z \rightarrow 4l$  branching fraction, and constraints on anomalous triple gauge couplings 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: 78 Issue: 2 Article Number:  
165 Published: FEB 24 2018

298. Search for the direct production of charginos and neutralinos in final states with tau 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: 78 Issue: 2 Article Number:  
154 Published: FEB 22 2018

299. Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 8 Article Number:  
081801 Published: FEB 22 2018

300. Production of deuterons, tritons, He-3 nuclei, and their antinuclei in pp collisions at  $\sqrt{s}=0.9, 2.76,$  and 7 TeV

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

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024615 Published: FEB 21  
2018

301. Measurement of longitudinal flow decorrelations in Pb plus Pb collisions at  $\sqrt{s(NN)}=2.76$  and 5.02 TeV with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number:  
142 Published: FEB 19 2018

302. Search for standard model production of four top quarks with same-sign and 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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number:  
140 Published: FEB 19 2018

303. Search for top squarks and dark matter particles in opposite-charge dilepton final states at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 032009 Published: FEB  
15 2018

304. Direct top-quark decay width measurement in the  $t(\bar{t})$  lepton plus jets channel at  $\sqrt{s}=8$  TeV with the ATLAS experiment

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number:  
129 Published: FEB 15 2018

305. Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW LETTERS Volume: 120 Issue: 7 Article Number:  
071802 Published: FEB 14 2018

306. Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at  $\sqrt{s}=13$  TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 067 Published: FEB 12  
2018

307. Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in pp and p plus Pb collisions with the ATLAS detector at the CERN Large Hadron Collider

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

Group Author(s): ATLAS Collaboration; ATLAS Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024904 Published: FEB  
12 2018

308. Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at  $\sqrt{s(NN)}=2.76$  TeV

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

Group Author(s): ALICE Collaboration

PHYSICAL REVIEW C Volume: 97 Issue: 2 Article Number: 024906 Published: FEB  
12 2018

309. The ALICE Transition Radiation Detector: Construction, operation, and performance

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

Group Author(s): ALICE Collaboration

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ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume:  
881 Pages: 88-127 Published: FEB 11 2018

310. Search for heavy resonances decaying to a top quark and a bottom quark in the lepton plus jets final state in proton-proton collisions at 13 TeV

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

Group Author(s): CMS Collaboration

PHYSICS LETTERS B Volume: 777 Pages: 39-63 Published: FEB 10 2018

311. Search for diboson resonances with boson-tagged jets in pp collisions at root 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: 777 Pages: 91-113 Published: FEB 10 2018
312. Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at root s(NN)=2.76 TeV  
By: Acharya, S.; Adam, J.; Adamova, D.; et al.  
PHYSICS LETTERS B Volume: 777 Pages: 151-162 Published: FEB 10 2018
313. Measurement of the exclusive  $\gamma\gamma \rightarrow \mu^{+}\mu^{-}$  process in proton-proton collisions at root 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: 777 Pages: 303-323 Published: FEB 10 2018
314. Search for Higgsino pair production in pp collisions at root s=13 TeV in final states with large missing transverse momentum and two Higgs bosons decaying via  $H \rightarrow b\bar{b}$   
By: Sirunyan, A. M.; Tumasyan, A.; Adam, W.; et al.  
Group Author(s): CMS Collaboration  
PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 032007 Published: FEB 8 2018
315. Measurement of the  $Q^2$  Dependence of the Deuteron Spin Structure Function  $g(1)$  and its Moments at Low  $Q^2$  with CLAS  
By: Adhikari, K. P.; Deur, A.; El Fassi, L.; et al.  
Group Author(s): CLAS Collaboration  
PHYSICAL REVIEW LETTERS Volume: 120 Issue: 6 Article Number: 062501 Published: FEB 8 2018
316.  $ZZ \rightarrow l^{+}l^{-}l'^{+}l'^{-}$  cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): Atlas Collaboration  
PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 032005 Published: FEB 7 2018
317. Search for B - L R-parity-violating top squarks in root s=13 TeV pp collisions with the ATLAS experiment  
By: Aaboud, M.; Aad, G.; Abbott, B.; et al.  
Group Author(s): ATLAS Collaboration  
PHYSICAL REVIEW D Volume: 97 Issue: 3 Article Number: 032003 Published: FEB 6 2018
318. Constraintson the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at root s=8TeV

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 032 Published: FEB 6 2018

319. Measurement of the W-boson mass in pp collisions at  $\sqrt{s}=7$  TeV with the ATLAS detector

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

Group Author(s): ATLAS Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 2 Article Number: 110 Published: FEB 6 2018

320. Search for new phenomena in high-mass final states with a photon and a jet from 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: 78 Issue: 2 Article Number: 102 Published: FEB 3 2018

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

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

Group Author(s): CMS Collaboration

PHYSICAL REVIEW D Volume: 97 Issue: 1 Article Number: 012007 Published: JAN 31 2018

322. Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using 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: 126 Published: JAN 25 2018

323. Search for low mass vector resonances decaying into 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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 097 Published: JAN 22 2018

324. Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at  $\sqrt{s}=13$  TeV with ATLAS

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

Group Author(s): ATLAS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 063 Published: JAN 15 2018

325. Search for heavy resonances decaying into WW in the  $e \nu \mu \nu$  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

EUROPEAN PHYSICAL JOURNAL C Volume: 78 Issue: 1 Article Number: 24 Published: JAN 13 2018

326. 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 9, 106, 2017)

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

Group Author(s): CMS Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 056 Published: JAN 12 2018

327. Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in  $36 \text{ fb}^{-1}$  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

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 055 Published: JAN 12 2018

328. Search for resonant and nonresonant Higgs boson pair production in the  $b(b)\overline{\text{bar}}l \nu$  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

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329. Pseudorapidity distributions of charged hadrons in proton-lead collisions at  $\sqrt{s(NN)}=5.02$  and 8.16 TeV

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

Group Author(s): CMS Collaboration

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330. Search for dark matter produced in association with bottom or top quarks 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: 78 Issue: 1 Article Number: 18 Published: JAN 11 2018

331.  $J/\psi$  production as a function of charged-particle pseudorapidity density in p-Pb collisions at  $\sqrt{s(NN)}=5.02$  TeV

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

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 776 Pages: 91-104 Published: JAN 10 2018

332. Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb 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: 776 Pages: 195-216 Published: JAN 10 2018

333. First measurement of jet mass in Pb-Pb and p-Pb collisions at the LHC

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

Group Author(s): ALICE Collaboration

PHYSICS LETTERS B Volume: 776 Pages: 249-264 Published: JAN 10 2018

334. Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at  $\sqrt{s}=8$  TeV using the ATLAS detector

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

Group Author(s): ATLAS Collaboration

PHYSICS LETTERS B Volume: 776 Pages: 295-317 Published: JAN 10 2018

335. Search for an invisibly decaying Higgs boson or dark matter candidates produced 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: 776 Pages: 318-337 Published: JAN 10 2018

336. Measurements of  $t(\bar{t})$  cross sections in association with b jets and inclusive jets and their ratio using dilepton final states 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: 776 Pages: 355-378 Published: JAN 10 2018

337. Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam

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

Group Author(s): CMS HCAL Collaboration

JOURNAL OF INSTRUMENTATION Volume: 13 Article Number: P01002 Published: JAN 2018