Physics Publications with Major Personal Contributions

Oliver Gutsche

December 2, 2018

- A.M. Sirunyan et al., 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, JHEP.~03~(2018)~076, doi:10.1007/s13130-018-7845-2, arXiv:1709.08908 [hep-ex]
- A.M. Sirunyan et al., Search for standard model production of four top quarks with same-sign and multilepton final states in proton–proton collisions at $\sqrt{s}=13TeV$, Eur. Phys. J. C78 (2018) 140, doi:10.1140/epjc/s10052-018-5607-5, arXiv:1710.10614 [hep-ex]
- A.M. Sirunyan et al., Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV, (2018), arXiv:1811.06562 [hep-ex]
- A.M. Sirunyan et al., Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV, JHEP.~06~(2018)~027, doi:10.1007/JHEP06(2018)027, arXiv:1801.08427 [hep-ex]
- A.M. Sirunyan et al., Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV, *JHEP*. 03 (2018) 160, doi:10.1007/JHEP03(2018)160, arXiv:1801.03957 [hep-ex]
- O. Gutsche, Dark Matter and Super Symmetry: Exploring and Explaining the Universe with Simulations at the LHC, in: Proceedings, Winter Simulation Conference: Simulating Complex Service Systems (WSC 16): Washington, D.C., United States, December 11-14, 2016, 2017: pp. 4-13, doi:10.1109/WSC.2016.7822075
- A.M. Sirunyan et al., Searches for pair production of third-generation squarks in $\sqrt{s}=13 TeV$ pp collisions, Eur. Phys. J. C77 (2017) 327, doi:10.1140/epjc/s10052-017-4853-2, arXiv:1612.03877 [hep-ex]
- A.M. Sirunyan et al., Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton–proton collisions at $\sqrt{s}=13TeV,\ Eur.\ Phys.\ J.\ C77\ (2017)\ 710,\ doi:10.1140/epjc/s10052-017-5267-x,$ arXiv:1705.04650 [hep-ex]
- A.M. Sirunyan et al., Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13 TeV$, Eur. Phys. J. C77 (2017) 578, doi:10.1140/epjc/s10052-017-5079-z, arXiv:1704.07323 [hep-ex]
- A.M. Sirunyan et al., Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events, *JHEP*. 10 (2017) 019, doi:10.1007/JHEP10(2017)019, arXiv:1706.04402 [hep-ex]
- A.M. Sirunyan et al., Search for electroweak production of charginos and neutralinos in WH events in protonproton collisions at $\sqrt{s} = 13$ TeV, JHEP. 11 (2017) 029, doi:10.1007/JHEP11(2017)029, arXiv:1706.09933 [hep-ex]
- V. Khachatryan et al., Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings, Eur. Phys. J. C76 (2016) 401, doi:10.1140/epjc/s10052-016-4219-1, arXiv:1507.03268 [hep-ex]
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December 2, 2018 1 of 3

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- V. Khachatryan et al., Observation of the rare $B_s^0 \to \mu^+\mu^-$ decay from the combined analysis of CMS and LHCb data, Nature. 522 (2015) 68–72, doi:10.1038/nature14474, arXiv:1411.4413 [hep-ex]
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December 2, 2018 2 of 3

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 - Full List of Computing Publications with Major Personal Contributions can be found here.
 - Full List of Publications from all Collaborations and Experiments can be found here.

December 2, 2018 3 of 3