

Publication List from all Collaborations and Experiments

Oliver Gutsche

May 2, 2019

- M. Aaboud et al., **Combinations of single-top-quark production cross-section measurements and $|f_{LV}V_{tb}|$ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments**, (2019), arXiv:1902.07158 [hep-ex]
- A.M. Sirunyan et al., **Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**, *Phys. Lett. B* 789 (2019) 643–665, doi:10.1016/j.physletb.2018.11.063, arXiv:1711.05594 [nucl-ex]
- A.M. Sirunyan et al., **Study of the underlying event in top quark pair production in pp collisions at 13 TeV**, *Eur. Phys. J. C* 79 (2019) 123, doi:10.1140/epjc/s10052-019-6620-z, arXiv:1807.02810 [hep-ex]
- A.M. Sirunyan et al., **Search for pair production of first-generation scalar leptoquarks at $\sqrt{s} = 13$ TeV**, *Phys. Rev. D* 99 (2019) 052002, doi:10.1103/PhysRevD.99.052002, arXiv:1811.01197 [hep-ex]
- A.M. Sirunyan et al., **Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *JHEP*. 02 (2019) 074, doi:10.1007/JHEP02(2019)074, arXiv:1810.00196 [hep-ex]
- A.M. Sirunyan et al., **Search for narrow $H \gamma$ resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Rev. Lett.* 122 (2019) 081804, doi:10.1103/PhysRevLett.122.081804, arXiv:1808.01257 [hep-ex]
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- A.M. Sirunyan et al., **Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Rev. D* 99 (2019) 012010, doi:10.1103/PhysRevD.99.012010, arXiv:1810.10092 [hep-ex]
- A.M. Sirunyan et al., **Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV**, *Phys. Lett. B* 791 (2019) 96, doi:10.1016/j.physletb.2018.12.073, arXiv:1806.05246 [hep-ex]
- A.M. Sirunyan et al., **Inclusive search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV using razor variables and boosted object identification in zero and one lepton final states**, *JHEP*. 03 (2019) 031, doi:10.1007/JHEP03(2019)031, arXiv:1812.06302 [hep-ex]
- A.M. Sirunyan et al., **Search for a W boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state**, *JHEP*. 03 (2019) 127, doi:10.1007/JHEP03(2019)127, arXiv:1811.07010 [hep-ex]
- A.M. Sirunyan et al., **Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Eur. Phys. J. C* 79 (2019) 94, doi:10.1140/epjc/s10052-019-6562-5, arXiv:1810.10056 [hep-ex]
- A.M. Sirunyan et al., **Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV**, *JHEP*. 01 (2019) 051, doi:10.1007/JHEP01(2019)051, arXiv:1808.01365 [hep-ex]
- A.M. Sirunyan et al., **Measurement of differential cross sections for inclusive isolated-photon and photon+jets production in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Eur. Phys. J. C* 79 (2019) 20, doi:10.1140/epjc/s10052-018-6482-9, arXiv:1807.00782 [hep-ex]
- A.M. Sirunyan et al., **Search for the Higgs boson decaying to two muons in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Rev. Lett.* 122 (2019) 021801, doi:10.1103/PhysRevLett.122.021801, arXiv:1807.06325 [hep-ex]
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- A.M. Sirunyan et al., **Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Eur. Phys. J. C* 79 (2019) 305, doi:10.1140/epjc/s10052-019-6800-x,

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A.M. Sirunyan et al., **Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Lett. B* 790 (2019) 140–166, doi:[10.1016/j.physletb.2019.01.005](#), arXiv:[1806.05264](#) [hep-ex]

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- A.M. Sirunyan et al., **Combination of searches for Higgs boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Rev. Lett.* 122 (2019) 121803, doi:[10.1103/PhysRevLett.122.121803](https://doi.org/10.1103/PhysRevLett.122.121803), arXiv:[1811.09689](https://arxiv.org/abs/1811.09689) [hep-ex]
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- A.M. Sirunyan et al., **Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *JHEP*. 01 (2019) 122, doi:[10.1007/JHEP01\(2019\)122](https://doi.org/10.1007/JHEP01(2019)122), arXiv:[1806.10905](https://arxiv.org/abs/1806.10905) [hep-ex]
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