## Publication List from all Collaborations and Experiments

## Oliver Gutsche

## February 1, 2020

- A.M. Sirunyan et al., Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Phys. Lett. B800 (2020) 135042, doi:10.1016/j.physletb.2019.135042, arXiv:1812.10514 [hep-ex]
- A.M. Sirunyan et al., Search for a charged Higgs boson decaying into top and bottom quarks in proton-proton collisions at  $\sqrt{s} = 13$  TeV in events with electrons or muons, *JHEP*. 01 (2020) 096, doi:10.1007/JHEP01(2020)096, arXiv:1908.09206 [hep-ex]
- A.M. Sirunyan et al., Extraction and validation of a new set of CMS PYTHIA8 tunes from underlying-event measurements, Eur. Phys. J. C80 (2020) 4, doi:10.1140/epjc/s10052-019-7499-4, arXiv:1903.12179 [hep-ex]
- A.M. Sirunyan et al., Observation of nuclear modifications in W  $^{\pm}$  boson production in pPb collisions at  $\sqrt{s_{NN}} =$  8.16 TeV, Phys. Lett. B800 (2020) 135048, doi:10.1016/j.physletb.2019.135048, arXiv:1905.01486 [hep-ex]
- A.M. Sirunyan et al., Observation of the  $\Lambda_b^0 \to \mathbf{J}/\psi \Lambda \phi$  decay in proton-proton collisions at  $\sqrt{s} = \mathbf{13}$  TeV, Phys. Lett. B802 (2020) 135203, doi:10.1016/j.physletb.2020.135203, arXiv:1911.03789 [hep-ex]
- A.M. Sirunyan et al., Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at  $\sqrt{s}=13$  TeV, Eur. Phys. J. C80 (2020) 43, doi:10.1140/epjc/s10052-019-7585-7, arXiv:1903.04040 [hep-ex]
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- A.M. Sirunyan et al., Multiparticle correlation studies in pPb collisions at  $\sqrt{s_{NN}} = 8.16$  TeV, Phys. Rev. C101 (2020) 014912, doi:10.1103/PhysRevC.101.014912, arXiv:1904.11519 [hep-ex]
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- A.M. Sirunyan et al., Searches for physics beyond the standard model with the  $M_{T2}$  variable in hadronic final states with and without disappearing tracks in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Eur. Phys. J. C80 (2020) 3, doi:10.1140/epjc/s10052-019-7493-x, arXiv:1909.03460 [hep-ex]
- A.M. Sirunyan et al., Evidence for WW production from double-parton interactions in proton-proton collisions at  $\sqrt{s} = 13$  TeV, Eur. Phys. J. C80 (2020) 41, doi:10.1140/epjc/s10052-019-7541-6, arXiv:1909.06265 [hep-ex]
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- A.M. Sirunyan et al., Study of excited  $\Lambda_b^0$  states decaying to  $\Lambda_b^0 \pi^+ \pi^-$  in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2020), arXiv:2001.06533 [hep-ex]
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- A.M. Sirunyan et al., Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at  $\sqrt{s} = 13$  TeV, (2020), arXiv:2001.10086 [hep-ex]
- 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 experimentsCombinations 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, JHEP.~05~(2019)~088,~doi:10.1007/JHEP05(2019)088,~arXiv:1902.07158~[hep-ex]
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