

# Publication List

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- 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**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, *JHEP.* 05 (2019) 088, doi:[10.1007/JHEP05\(2019\)088](https://doi.org/10.1007/JHEP05(2019)088), arXiv:[1902.07158](https://arxiv.org/abs/1902.07158) [hep-ex]
- J. Albrecht et al., **A Roadmap for HEP Software and Computing R&D for the 2020s**, *Comput. Softw. Big Sci.* 3 (2019) 7, doi:[10.1007/s41781-018-0018-8](https://doi.org/10.1007/s41781-018-0018-8), arXiv:[1712.06982](https://arxiv.org/abs/1712.06982) [physics.comp-ph]
- A.M. Sirunyan et al., **Search for a low-mass  $\tau^+\tau^-$  resonance in association with a bottom quark in proton-proton collisions at  $\sqrt{s} = 13$  TeV**, *JHEP.* 05 (2019) 210, doi:[10.1007/JHEP05\(2019\)210](https://doi.org/10.1007/JHEP05(2019)210), arXiv:[1903.10228](https://arxiv.org/abs/1903.10228) [hep-ex]
- A.M. Sirunyan et al., **Search for the production of  $W^\pm W^\pm W^\mp$  events at  $\sqrt{s} = 13$  TeV**, *Phys. Rev. D* 100 (2019) 012004, doi:[10.1103/PhysRevD.100.012004](https://doi.org/10.1103/PhysRevD.100.012004), arXiv:[1905.04246](https://arxiv.org/abs/1905.04246) [hep-ex]
- M. Cremonesi et al., **Using Big Data Technologies for HEP Analysis**, *EPJ Web Conf.* 214 (2019) 06030, doi:[10.1051/epjconf/201921406030](https://doi.org/10.1051/epjconf/201921406030), arXiv:[1901.07143](https://arxiv.org/abs/1901.07143) [cs.DC]
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- 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](https://doi.org/10.1016/j.physletb.2018.11.063), arXiv:[1711.05594](https://arxiv.org/abs/1711.05594) [nucl-ex]
- A.M. Sirunyan et al., **Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at  $\sqrt{s} = 8$  and 13 TeV**, *Phys. Lett. B* 793 (2019) 320–347, doi:[10.1016/j.physletb.2019.03.064](https://doi.org/10.1016/j.physletb.2019.03.064), arXiv:[1811.08459](https://arxiv.org/abs/1811.08459) [hep-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](https://doi.org/10.1140/epjc/s10052-019-6620-z), arXiv:[1807.02810](https://arxiv.org/abs/1807.02810) [hep-ex]
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- 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](https://doi.org/10.1007/JHEP02(2019)074), arXiv:[1810.00196](https://arxiv.org/abs/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](https://doi.org/10.1103/PhysRevLett.122.081804), arXiv:[1808.01257](https://arxiv.org/abs/1808.01257) [hep-ex]
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- 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](https://doi.org/10.1007/JHEP01(2019)051), arXiv:[1808.01365](https://arxiv.org/abs/1808.01365) [hep-ex]
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- 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](https://doi.org/10.1103/PhysRevLett.122.021801), arXiv:[1807.06325](https://arxiv.org/abs/1807.06325) [hep-ex]
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