

Publication List

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September 1, 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** **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]
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- M. Cremonesi et al., **Using Big Data Technologies for HEP Analysis**, (2019), arXiv:[1901.07143](https://arxiv.org/abs/1901.07143) [cs.DC]
- 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]
- 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](https://doi.org/10.1103/PhysRevD.99.052002), arXiv:[1811.01197](https://arxiv.org/abs/1811.01197) [hep-ex]
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- A.M. Sirunyan et al., **Search for dark matter particles produced in association with a top quark pair at $\sqrt{s} = 13$ TeV**, *Phys. Rev. Lett.* 122 (2019) 011803, doi:[10.1103/PhysRevLett.122.011803](https://doi.org/10.1103/PhysRevLett.122.011803), arXiv:[1807.06522](https://arxiv.org/abs/1807.06522) [hep-ex]
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