

Publication List

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- A.M. Sirunyan et al., **Search for the lepton flavor violating decay $\tau \rightarrow 3 \mu$ in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *JHEP*. 01 (2021) 163, doi:[10.1007/JHEP01\(2021\)163](https://doi.org/10.1007/JHEP01(2021)163), arXiv:[2007.05658](https://arxiv.org/abs/2007.05658) [hep-ex]
- A.M. Sirunyan et al., **Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13$ TeV**, (2021). [http://arxiv.org/abs/2102.06976](https://arxiv.org/abs/2102.06976), arXiv:[2102.06976](https://arxiv.org/abs/2102.06976) [hep-ex]
- V. Khachatryan et al., **The very forward CASTOR calorimeter of the CMS experiment**, *JINST*. 16 (2021) P02010, doi:[10.1088/1748-0221/16/02/P02010](https://doi.org/10.1088/1748-0221/16/02/P02010), arXiv:[2011.01185](https://arxiv.org/abs/2011.01185) [physics.ins-det]
- A.M. Sirunyan et al., **Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV**, *Phys. Rev. C* 103 (2021) 014902, doi:[10.1103/PhysRevC.103.014902](https://doi.org/10.1103/PhysRevC.103.014902), arXiv:[1905.09935](https://arxiv.org/abs/1905.09935) [hep-ex]
- A.M. Sirunyan et al., **Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Phys. Lett. B* 812 (2021) 135992, doi:[10.1016/j.physletb.2020.135992](https://doi.org/10.1016/j.physletb.2020.135992), arXiv:[2008.07013](https://arxiv.org/abs/2008.07013) [hep-ex]
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- A.M. Sirunyan et al., **Measurement of prompt D^0 and \bar{D}^0 meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV**, *Phys. Lett. B* 816 (2021) 136253, doi:[10.1016/j.physletb.2021.136253](https://doi.org/10.1016/j.physletb.2021.136253), arXiv:[2009.12628](https://arxiv.org/abs/2009.12628) [hep-ex]
- A.M. Sirunyan et al., **Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *JHEP*. 04 (2021) 123, doi:[10.1007/JHEP04\(2021\)123](https://doi.org/10.1007/JHEP04(2021)123), arXiv:[2012.08600](https://arxiv.org/abs/2012.08600) [hep-ex]
- A.M. Sirunyan et al., **Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Eur. Phys. J. C* 81 (2021) 13, doi:[10.1140/epjc/s10052-020-08739-5](https://doi.org/10.1140/epjc/s10052-020-08739-5), arXiv:[2008.04735](https://arxiv.org/abs/2008.04735) [hep-ex]
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- A.M. Sirunyan et al., **Angular analysis of the decay $B^+ \rightarrow K^*(892)^+ \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV**, *JHEP*. 04 (2021) 124, doi:[10.1007/JHEP04\(2021\)124](https://doi.org/10.1007/JHEP04(2021)124), arXiv:[2010.13968](https://arxiv.org/abs/2010.13968) [hep-ex]
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- A.M. Sirunyan et al., **Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13\text{TeV}$** , *Eur. Phys. J. C* 81 (2021) 3, doi:[10.1140/epjc/s10052-020-08701-5](https://doi.org/10.1140/epjc/s10052-020-08701-5), arXiv:[2008.05936](https://arxiv.org/abs/2008.05936) [hep-ex]
- A.M. Sirunyan et al., **Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13\text{ TeV}$** , *JHEP.* 03 (2021) 003, doi:[10.1007/JHEP03\(2021\)003](https://doi.org/10.1007/JHEP03(2021)003), arXiv:[2007.01984](https://arxiv.org/abs/2007.01984) [hep-ex]
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- A.M. Sirunyan et al., **Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$** , *JHEP.* 03 (2021) 011, doi:[10.1007/JHEP03\(2021\)011](https://doi.org/10.1007/JHEP03(2021)011), arXiv:[2009.14009](https://arxiv.org/abs/2009.14009) [hep-ex]
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