

Publication List

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- L. Bauerdick et al., **HEP Software Foundation Community White Paper Working Group - Data Analysis and Interpretation**, (2018), arXiv:[1804.03983](#) [[physics.comp-ph](#)]
- M. Bellis et al., **HEP Software Foundation Community White Paper Working Group — Visualization**, (2018), arXiv:[1811.10309](#) [[physics.comp-ph](#)]
- J. Chang et al., **Striped Data Server for Scalable Parallel Data Analysis**, *J. Phys. Conf. Ser.* 1085 (2018) 042035, doi:[10.1088/1742-6596/1085/4/042035](#)
- A.M. Sirunyan et al., **Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer**, *JHEP.* 07 (2018) 153, doi:[10.1007/JHEP07\(2018\)153](#), arXiv:[1803.04496](#) [[hep-ex](#)]
- O. Gutsche et al., **CMS Analysis and Data Reduction with Apache Spark**, *J. Phys. Conf. Ser.* 1085 (2018) 042030, doi:[10.1088/1742-6596/1085/4/042030](#), arXiv:[1711.00375](#) [[cs.DC](#)]
- A.M. Sirunyan et al., **Search for massive resonances decaying into WW , WZ , ZZ , qW , and qZ with dijet final states at $\sqrt{s} = 13\text{TeV}$** , *Phys. Rev. D* 97 (2018) 072006, doi:[10.1103/PhysRevD.97.072006](#), arXiv:[1708.05379](#) [[hep-ex](#)]
- A.M. Sirunyan et al., **Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$** , *Phys. Rev. Lett.* 120 (2018) 142302, doi:[10.1103/PhysRevLett.120.142302](#), arXiv:[1708.09429](#) [[nucl-ex](#)]
- A.M. Sirunyan et al., **Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at 13 TeV**, *Phys. Rev. Lett.* 120 (2018) 241801, doi:[10.1103/PhysRevLett.120.241801](#), arXiv:[1712.08501](#) [[hep-ex](#)]
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- A.M. Sirunyan et al., **Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8\text{ TeV}$** , *JHEP.* 03 (2018) 167, doi:[10.1007/JHEP03\(2018\)167](#), arXiv:[1707.03325](#) [[hep-ex](#)]
- A.M. Sirunyan et al., **Search for R -parity violating supersymmetry in pp collisions at $\sqrt{s} = 13\text{ TeV}$ using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses**, *Phys. Lett. B* 783 (2018) 114–139, doi:[10.1016/j.physletb.2018.06.028](#), arXiv:[1712.08920](#) [[hep-ex](#)]
- A.M. Sirunyan et al., **Measurement of angular parameters from the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$** , *Phys. Lett. B* 781 (2018) 517–541, doi:[10.1016/j.physletb.2018.04.030](#), arXiv:[1710.02846](#) [[hep-ex](#)]
- A.M. Sirunyan et al., **Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$** , *Phys. Lett. B* 778 (2018) 101–127, doi:[10.1016/j.physletb.2018.01.001](#), arXiv:[1707.02909](#) [[hep-ex](#)]
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- A.M. Sirunyan et al., **Bose-Einstein correlations in pp , pPb , and $PbPb$ collisions at $\sqrt{s_{NN}} = 0.9 - 7$ TeV**, *Phys. Rev. C* 97 (2018) 064912, doi:[10.1103/PhysRevC.97.064912](https://doi.org/10.1103/PhysRevC.97.064912), arXiv:[1712.07198](https://arxiv.org/abs/1712.07198) [hep-ex]
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- A.M. Sirunyan et al., **Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at 5.02 TeV**, *Eur. Phys. J. C* 78 (2018) 509, doi:[10.1140/epjc/s10052-018-5950-6](https://doi.org/10.1140/epjc/s10052-018-5950-6), arXiv:[1712.08959](https://arxiv.org/abs/1712.08959) [nucl-ex]
- A.M. Sirunyan et al., **Search for new long-lived particles at $\sqrt{s} = 13$ TeV**, *Phys. Lett. B* 780 (2018) 432–454, doi:[10.1016/j.physletb.2018.03.019](https://doi.org/10.1016/j.physletb.2018.03.019), arXiv:[1711.09120](https://arxiv.org/abs/1711.09120) [hep-ex]
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