

## Publications from all Collaborations and Experiments

A.M. Sirunyan et al., **Inclusive search for a highly boosted Higgs boson decaying to a bottom quark-antiquark pair**, *Phys. Rev. Lett.* 120 (2018) 071802, doi:[10.1103/PhysRevLett.120.071802](https://doi.org/10.1103/PhysRevLett.120.071802), arXiv:[1709.05543](https://arxiv.org/abs/1709.05543) [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  $\sqrt{s} = 13$  TeV**, *Phys. Lett.* B778 (2018) 101–127, doi:[10.1016/j.physletb.2018.01.001](https://doi.org/10.1016/j.physletb.2018.01.001), arXiv:[1707.02909](https://arxiv.org/abs/1707.02909) [hep-ex]

A.M. Sirunyan et al., **Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at  $\sqrt{s} = 13$  TeV**, *Phys. Lett.* B779 (2018) 166–190, doi:[10.1016/j.physletb.2017.12.069](https://doi.org/10.1016/j.physletb.2017.12.069), arXiv:[1709.00384](https://arxiv.org/abs/1709.00384) [hep-ex]

A.M. Sirunyan et al., **Search for resonant and nonresonant Higgs boson pair production in the  $b\bar{b}\ell\nu\ell\nu$  final state in proton-proton collisions at  $\sqrt{s} = 13$  TeV**, *JHEP.* 01 (2018) 054, doi:[10.1007/JHEP01\(2018\)054](https://doi.org/10.1007/JHEP01(2018)054), arXiv:[1708.04188](https://arxiv.org/abs/1708.04188) [hep-ex]

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A.M. Sirunyan et al., **Search for ZZ resonances in the  $2\ell 2\nu$  final state in proton-proton collisions at 13 TeV**, *JHEP.* 03 (2018) 003, doi:[10.1007/JHEP03\(2018\)003](https://doi.org/10.1007/JHEP03(2018)003), arXiv:[1711.04370](https://arxiv.org/abs/1711.04370) [hep-ex]

A.M. Sirunyan et al., **Observation of the Higgs boson decay to a pair of  $\tau$  leptons with the CMS detector**, *Phys. Lett.* B779 (2018) 283–316, doi:[10.1016/j.physletb.2018.02.004](https://doi.org/10.1016/j.physletb.2018.02.004), arXiv:[1708.00373](https://arxiv.org/abs/1708.00373) [hep-ex]

A.M. Sirunyan et al., **Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at  $\sqrt{s} = 13$  TeV**, *Phys. Lett.* B778 (2018) 263–291, doi:[10.1016/j.physletb.2018.01.012](https://doi.org/10.1016/j.physletb.2018.01.012), arXiv:[1707.07274](https://arxiv.org/abs/1707.07274) [hep-ex]

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