

## Selected Publications

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## All Publications

- [1] A. M. Sirunyan *et al.*, “Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions,” *Phys. Rev.*, vol. C98, no. 4, p. 044902, 2018.
- [2] K. Abe *et al.*, “Characterization of nuclear effects in muon-neutrino scattering on hydrocarbon with a measurement of final-state kinematics and correlations in charged-current pionless interactions at T2K,” *Phys. Rev.*, vol. D98, no. 3, p. 032003, 2018.
- [3] K. Abe *et al.*, “Measurement of inclusive double-differential  $\nu_\mu$  charged-current cross section with improved acceptance in the T2K off-axis near detector,” *Phys. Rev.*, vol. D98, p. 012004, 2018.
- [4] K. Abe *et al.*, “Physics potentials with the second Hyper-Kamiokande detector in Korea,” *PTEP*, vol. 2018, no. 6, p. 063C01, 2018.
- [5] A. M. Sirunyan *et al.*, “Measurement of normalized differential  $t\bar{t}$  cross sections in the dilepton channel from pp collisions at  $\sqrt{s} = 13$  TeV,” *JHEP*, vol. 04, p. 060, 2018.
- [6] 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.*, vol. B779, pp. 166–190, 2018.
- [7] A. M. Sirunyan *et al.*, “Measurement of associated Z + charm production in proton-proton collisions at  $\sqrt{s} = 8$  TeV,” *Eur. Phys. J.*, vol. C78, no. 4, p. 287, 2018.
- [8] A. M. Sirunyan *et al.*, “Suppression of Excited  $\Upsilon$  States Relative to the Ground State in Pb-Pb Collisions at  $\sqrt{s_{NN}}=5.02$ TeV,” *Phys. Rev. Lett.*, vol. 120, no. 14, p. 142301, 2018.
- [9] A. M. Sirunyan *et al.*, “Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at  $\sqrt{s} = 8$  TeV,” *JHEP*, vol. 03, p. 167, 2018.

- [10] A. M. Sirunyan *et al.*, “Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at  $\sqrt{s} = 7$  TeV,” *Eur. Phys. J.*, vol. C78, no. 3, p. 242, 2018.
- [11] K. Abe *et al.*, “Measurement of the single  $\pi^0$  production rate in neutral current neutrino interactions on water,” *Phys. Rev.*, vol. D97, no. 3, p. 032002, 2018.
- [12] A. M. Sirunyan *et al.*, “Measurements of  $t\bar{t}$  cross sections in association with  $b$  jets and inclusive jets and their ratio using dilepton final states in pp collisions at  $\sqrt{s} = 13$  TeV,” *Phys. Lett.*, vol. B776, pp. 355–378, 2018.
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- [14] K. Abe *et al.*, “First measurement of the  $\nu_\mu$  charged-current cross section on a water target without pions in the final state,” *Phys. Rev.*, vol. D97, no. 1, p. 012001, 2018.
- [15] A. M. Sirunyan *et al.*, “Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at  $\sqrt{s} = 13$  TeV,” *Phys. Lett.*, vol. B775, pp. 315–337, 2017.
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- [19] K. Abe *et al.*, “Measurement of neutrino and antineutrino oscillations by the T2K experiment including a new additional sample of  $\nu_e$  interactions at the far detector,” *Phys. Rev.*, vol. D96, no. 9, p. 092006, 2017. [Erratum: *Phys. Rev.* D98, no. 1, 019902 (2018)].

- [20] A. M. Sirunyan *et al.*, “Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at  $\sqrt{s} = 13$  TeV,” *JHEP*, vol. 11, p. 085, 2017.
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