

Physics Publications with Major Personal Contributions

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A.M. Sirunyan et al., **Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV**, *Submitted to: Eur. Phys. J.* (2018), arXiv:[1811.06562 \[hep-ex\]](#)

A.M. Sirunyan et al., **Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV**, *JHEP.* 06 (2018) 027, doi:[10.1007/JHEP06\(2018\)027](#), arXiv:[1801.08427 \[hep-ex\]](#)

V. Khachatryan et al., **Measurements of t t -bar spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV**, *Phys. Rev. D* 93 (2016) 052007, doi:[10.1103/PhysRevD.93.052007](#), arXiv:[1601.01107 \[hep-ex\]](#)

V. Khachatryan et al., **Measurements of $t\bar{t}$ charge asymmetry using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV**, *Phys. Lett. B* 760 (2016) 365–386, doi:[10.1016/j.physletb.2016.07.006](#), arXiv:[1603.06221 \[hep-ex\]](#)

S. Chatrchyan et al., **Measurements of $t\bar{t}$ spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV**, *Phys. Rev. Lett.* 112 (2014) 182001, doi:[10.1103/PhysRevLett.112.182001](#), arXiv:[1311.3924 \[hep-ex\]](#)

S. Chatrchyan et al., **Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV**, *JHEP.* 04 (2014) 191, doi:[10.1007/JHEP04\(2014\)191](#), arXiv:[1402.3803 \[hep-ex\]](#)

S. Chatrchyan et al., **Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC**, *Phys. Lett. B* 716 (2012) 30–61, doi:[10.1016/j.physletb.2012.08.021](#), arXiv:[1207.7235 \[hep-ex\]](#)

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 - Full List of Computing Publications with Major Personal Contributions can be found [here](#).
 - Full List of Publications from all Collaborations and Experiments can be found [here](#).