
Publications and Conference Talks

Selected Publications

- [1] Snowmass White Paper: Prospects of CP-violation measurements with the Higgs boson at future experiments, May 2022, ***arXiv:2205.07715***
- [2] Constraining anomalous Higgs boson couplings to virtual photons, J.Davis et al., Sept. 2021, ***arXiv:2109.13363***
- [3] Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state, CMS Collaboration, Sept. 2021, ***DOI:10.1103/PhysRevD.104.052004***
- [4] Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets, CMS Collaboration, Dec. 2019, ***DOI:10.1103/PhysRevLett.123.241801***
- [5] FPGA-Based Tracklet Approach to Level-1 Track Finding at CMS for the HL-LHC, E.Bartz et al., Jun. 2017, ***arXiv:1706.09225***

Conference Talks

HIGGS 2021, ATLAS+CMS: SM Higgs-boson properties: mass, width, CP, virtual, USA Oct. 2021

HIGGS 2021, The JHU generator framework: EFT applications in Higgs physics, virtual, USA Oct. 2021

IRN@ZOOM Terascale International Research Network, Constraints on anomalous Higgs boson couplings to vector bosons and fermions in production and decay in the H to 4 l channel with CMS, virtual, FR Nov. 2020

ICHEP, Measurements of anomalous Higgs boson couplings at CMS, Prague, CZ Jul. 2020

Higgs Couplings 2019, CP in Higgs couplings at CMS University of Oxford, UK Oct. 2019

American Physical Society April Meeting 2017 The FPGA based L1 track finding Tracklet approach Washington DC, USA Jan. 2017

American Physical Society April Meeting 2017 Search for boosted Stealth SUSY with photons and jets using 13TeV LHC data. Washington DC, USA Jan. 2017

Awards

- 2013 Richard J.Plano Outstanding Teaching Assistant Award