

Session Program

9-21 Apr 2022

APS April 2022

Higgs

US

Saturday 9 April

13:00

Higgs

Session | Location: US,

13:00–13:20

Search for Higgs Boson Pair Production in the Multi-lepton Final State Using Proton-Proton Collision Data at $\sqrt{s} = 13$ TeV from the ATLAS Detector

Speaker

Santosh Parajuli

13:20–13:40

Combination of searches for resonant and non-resonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$, $b\bar{b}\tau\tau$ and $b\bar{b}b\bar{b}$ decay channels using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detectors = 13 TeV with the ATLAS detector

Speaker

Alkaid Cheng

13:20–13:40

Measuring Diphoton Production in Association with Heavy Flavor with the ATLAS Detector

Speaker

Brianna Dwyer

13:40–14:00

Combination of Searches for HH Production with ATLAS Run 2 Data

Speaker

Jannicke Pearkes

13:40–14:00

Measurement prospects for di-Higgs production in the $HH \rightarrow b\bar{b}\gamma\gamma$ channel with the ATLAS experiment at the HL-LHC

Speaker

Alex Zeng Wang

13:40–14:00

Measurement of the Higgs boson production cross section using the $H \rightarrow \tau\tau$ process in Run 2 ATLAS data

Speaker

Marc Tost

14:00