

Searches for resonances decaying to pairs of Higgs boson in ATLAS

Wednesday, November 9, 2022 4:50 PM (15 minutes)

Several physics scenarios beyond the Standard Model predict the existence of new particles that can subsequently decay into a pair of Higgs bosons. This talk summarises ATLAS searches for resonant HH production with LHC Run 2 data. Several final states are considered, arising from various combinations of Higgs boson decays.

Type of talk

Experimental measurements

Presenter: BALUNAS, William (University of Cambridge (GB))

Session Classification: Wednesday Session B

Track Classification: Physics Topics: Double Higgs