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Type: **Parallel Talk**

Exotic decays of the Higgs and Z bosons

Friday, 8 July 2022 09:30 (15 minutes)

Precision studies of the properties of the Higgs and gauge bosons may provide a unique window for the discovery of new physics at the LHC. New phenomena can in particular be revealed in the search for lepton-flavor-violating or exotic decays of the Higgs and Z bosons, as well as in their possible couplings to hidden-sector states that do not interact under Standard Model gauge transformations. This talk presents recent searches by the ATLAS experiment for decays of the Higgs and Z bosons to new particles, using collision data at $\sqrt{s} = 13$ TeV collected during the LHC Run 2.

In-person participation

Yes

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