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Type: Poster

Measurement of the Higgs boson mass in the $H \rightarrow ZZ \rightarrow 4l$ channel with the full Run 2 dataset.

Friday, 8 July 2022 20:10 (20 minutes)

This poster will present a measurement of the Higgs boson mass in the four-lepton decay channel using 139 fb^{-1} of proton-proton collision data at the Large Hadron Collider recorded by the ATLAS detector, corresponding to the full Run 2 dataset. For a Higgs boson with $m_H = 125 \text{ GeV}$, the expected total (stat) uncertainty is 181 MeV (178 MeV).

In-person participation

Yes

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