

Searches for new physics using unsupervised machine learning for anomaly detection in $\sqrt{s} = 13$ TeV pp collisions recorded by the ATLAS detector at the LHC

Wednesday, July 31, 2024 10:20 AM (20 minutes)

Various searches for new resonances using unsupervised machine learning for anomaly detection are presented. These searches look at two-body invariant masses including leptons, at a heavy resonance Y decaying into a Standard Model Higgs boson H and a new particle X in a fully hadronic final state, or at the masses of two jets.

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Session Classification: BSM

Track Classification: BSM