Contribution ID: **48** Type: **Poster presentation**

Search for new resonances decaying into a Higgs boson and a generic new boson X in the XH -> qqbb final state with the ATLAS detector

Wednesday 7 September 2022 19:10 (20 minutes)

A search for heavy resonances Y decaying into a Standard Model Higgs boson (H) and a new boson (X) is performed with proton-proton collision data with the ATLAS detector at the CERN Large Hadron Collider. The physics channel where the Higgs decays into bb and the X to light quarks is considered, thus resulting in a fully hadronic final state. A two-dimensional phase space of Y mass versus X mass is scanned for evidence of a signal. Upper limits are set on the production cross-section of the resonance as a function of Y and X masses.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Maybe

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Session Classification: Poster Session