



Contribution ID: 498

Type: **Poster Presentation**

Property measurements of the Higgs boson in the diphoton decay channel with the ATLAS detector at the LHC

This poster presents the latest measurements of the Higgs boson properties measured in the $H \rightarrow \gamma\gamma$ decay channel using 36.1fb^{-1} of proton-proton collision data taken at $\sqrt{s} = 13\text{TeV}$ by the ATLAS experiment at the LHC. Fiducial and differential cross section measurements are presented in a variety of phase space regions and as a function of several kinematic variables, to be compared with the Standard Model Higgs predicted distributions.

Experimental Collaboration

ATLAS

Primary author: ROZEN, Yoram (Technion (IL))**Presenter:** HU, Yifan (Chinese Academy of Sciences (CN))**Session Classification:** Poster session**Track Classification:** Higgs and New Physics