



Contribution ID: 561

Type: **Oral Presentation**

Searches for BSM physics in diphoton final state at CMS (15' + 5')

Friday, 5 August 2016 09:20 (20 minutes)

A search for new physics in high-mass diphoton events is presented. The analysis is performed by looking for bumps on the continuum diphoton mass spectrum. This clean signature is sensitive to high-mass gravitons predicted by models with extra dimensions and to scalar resonances arising from many extensions of the standard model. The talk focuses on the recent results obtained using data collected during the 2015 run as well as the first part of the 2016 run.

Primary author: ROVELLI, Chiara Ilaria (Universita e INFN, Roma I (IT))

Presenter: ROVELLI, Chiara Ilaria (Universita e INFN, Roma I (IT))

Session Classification: Joint Beyond the Standard Model & Higgs

Track Classification: Higgs Physics