

## Is there a X(750) signal?

*Thursday, 2 June 2016 16:50 (20 minutes)*

### Summary

Searches for new physics in high-mass diphoton and Zgamma final states are presented. The analyses are performed by looking for bumps on the continuum mass spectra. These clean signatures are 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.

**Presenter:** SOFFI, Livia (Cornell University (US))

**Session Classification:** Special session on "Hot Topics in Particle and Astroparticle Physics 1"