

# Low-mass Higgs searches at CMS

*Tuesday 5 November 2024 10:20 (20 minutes)*

We present searches for a resonance production in the diphoton final state with a mass lower than 125 GeV, predicted by several theoretical models beyond the standard one, as for example axion-like particles. Different possible production modes at the LHC are investigated.

## Primary track

### Is the speaker a PhD student or post-doc?

No

**Presenter:** XIAO, Jie (Centre National de la Recherche Scientifique (FR))

**Session Classification:** BSM Higgs physics 1 - sal IX

**Track Classification:** BSM Higgs physics