

New Higgses at the electroweak scale

Friday 28 February 2025 10:30 (15 minutes)

Statistically significant di-photon excess at 95 GeV ($>3\sigma$) and 152 GeV ($>4\sigma$) have been observed. Furthermore, strong tensions exist between the SM predictions and measurements of W and top-like signatures at the LHC. I discuss the status of these anomalies and detail the reinterpretation studies done on the relevant ATLAS searches to assess how the excesses can be related to new Higgses at the electroweak scale.”

Author: CRIVELLIN, Andreas (University of Zurich (CH))

Presenter: CRIVELLIN, Andreas (University of Zurich (CH))

Session Classification: Reinterpretation studies/pheno -cont-