



Contribution ID: 57

Type: **Oral presentation using Zoom**

## A 96 GeV Higgs Boson in the 2HDMS and the N2HDM

*Wednesday, 27 October 2021 20:20 (20 minutes)*

We analyze the possible realization of a 96 GeV Higgs boson describing the “excesses” observed at CMS in the di-photon decay channel and at LEP in the  $b\bar{b}$  decay channel. We compare the realizations in the 2DMD with an additional real singlet (N2HDM) or a complex singlet (2HDMS). We discuss how these realizations can possibly resolved at future high-energy  $e^+e^-$  colliders.

### 1st preferred time slot for your oral presentation

19:00-21:00 JST (12:00-14:00 CEST, 6:00-8:00 EDT, 3:00-5:00 PDT)

### 2nd preferred time slot for your oral presentation

10:00-12:00 JST (3:00-5:00 CEST, 21:00-23:00 EDT, 18:00-20:00 PDT)

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**Session Classification:** F&H-2: Higgs properties & BSM particle production

**Track Classification:** Parallel sessions: Topical Groups: Session F: Higgs properties