Contribution ID: **55** Type: **Oral presentation using Zoom**

Probing extended Higgs sectors by the synergy between the LHC and the ILC

Thursday 28 October 2021 19:40 (20 minutes)

We discuss a possibility that the parameter space of the two Higgs doublet model is significantly narrowed down by considering the synergy between direct searches for additional Higgs bosons at the LHC and its luminosity upgraded operation and precision measurements of the Higgs boson properties at future electron-positron colliders such as the International Linear Collider.
The talk is based on Nucl.Phys.B 966 (2021) 115375 (arXiv: 2010.15057).

1st preferred time slot for your oral presentation

15:30-17:30 JST (8:30-10:30 CEST, 2:30-4:30 EDT, 23:30-1:30 PDT)

2nd 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)

Primary author: MAWATARI, Kentarou

Presenter: MAWATARI, Kentarou

Session Classification: F-4: Higgs properties

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