



Contribution ID: 64

Type: Oral presentation using Zoom

## Status: SiD Snowmass Studies on Higgs Properties

*Thursday, 28 October 2021 10:00 (20 minutes)*

The Community Planning Exercise (aka Snowmass), sponsored by the Division of Particles and Fields of the APS, brings together international partners to investigate the state of the field and promising new possibilities for future study. In this talk we will review the current state of the studies described in the Letters of Interest (LoI) submitted for study of the Higgs boson properties with SiD, one of two detectors described in the International Linear Collider (ILC) Technical Design Report. These include sensitivity studies on invisible Higgs decays, Higgs decays to long-lived particles, CP properties in Higgs decays to tau pairs, and the Higgs self-coupling. The studies are expected to culminate with the end of Snowmass 2021 in summer 2022.

### 1st 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)

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

13:00-15:00 JST (6:00-8:00 CEST, 0:00-2:00 EDT, 21:00-23:00 PDT)

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**Session Classification:** F-1: Higgs properties

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