Contribution ID: **60** Type: **Oral presentation using Zoom**

Status of the technological prototype of the CALICE highly granular SiW-ECAL

Wednesday, 27 October 2021 15:55 (20 minutes)

A highly granular silicon-tungsten electromagnetic calorimeter (SiW-ECAL) is the reference design of the ECAL for International Large Detector (ILD) concept, one of the two detector concepts for the detector(s) at the future International Linear Collider. Prototypes for this type of detector are developed within the CALICE Collaboration. The technological prototype addresses technical challenges such as integrated front-end electronics or compact layer and readout design. During Autumn/Winter 2019/20 a stack of up to 22 layers with a dimension of ˜18×18×25cmˆ3 was compiled. A beam test at DESY is planned for November 2021.

We will present the status and latest developments of the hardware aspects of the prototype and the status of the implementation in simulation.

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)

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Track Classification: Parallel sessions: Detectors: Session B: Calorimeters