Contribution ID: **153**   Type: **not specified**

Development of scintillator electromagnetic calorimeter

Thursday, 18 March 2021 09:00 (20 minutes)

Highly granular electromagnetic calorimeter based on scintillator strip with SiPM readout (Sc-ECAL) is under development in the framework of the CALICE collaboration for future electron-positron colliders such as ILC and CEPC. The fully integrated technological prototype with 32 layers has been constructed to demonstrate the performance of Sc-ECAL with more realistic technical implementation. The assembly of the prototype has been completed and the commissioning is in progress. The technological prototype is supposed to be tested in beam at the DESY test beam facility this year. The status and prospects of the Sc-ECAL technological prototype will be reported.

Time Zone

Asia/Pacific

Primary author: TSUJI, Naoki (The University of Tokyo)

Co-authors: OOTANI, Wataru (ICEPP, University of Tokyo); MASUDA, Ryunosuke (The University of Tokyo); MORI, Toshinori (ICEPP, The University of Tokyo); TAKESHITA, Tohru (Shinshu University); TAMAYA, Yukinaru (Shinshu University); SHIRAI, Ryosuke (Shinshu University); NIU, Yazhou (State Key Laboratory of Particle Detection and Electronics, University of Science and Technology of China); ZHANG, Yunlong (State Key Laboratory of Particle Detection and Electronics, University of Science and Technology of China); LIU, Jianbei (State Key Laboratory of Particle Detection and Electronics, University of Science and Technology of China); DONG, Mingyi (State Key Laboratory of Particle Detection and Electronics, Institute of High Energy Physics, Chinese Academy of Sciences); WANG, Zhigang (State Key Laboratory of Particle Detection and Electronics, Institute of High Energy Physics, Chinese Academy of Sciences); LIU, Yong (State Key Laboratory of Particle Detection and Electronics, Institute of High Energy Physics, Chinese Academy of Sciences)

Presenter: TSUJI, Naoki (The University of Tokyo)

Session Classification: PD6: Calorimeters

Track Classification: Physics and Detectors Tracks: PD6: Calorimeters