



Contribution ID: 37

Type: Oral presentation using Zoom

Measurements of LGAD/APD devices for application to ILD SiW-ECAL

Wednesday, 27 October 2021 13:50 (20 minutes)

We are developing LGAD devices for ILD SiW-ECAL via collaboration with Hamamatsu.

We are testing characteristics of reach-through and inverse-type APDs produced by Hamamatsu with charged particles to estimate gain characteristics and timing resolution. Several test beams have been conducted with sub-GeV positron beam at ELPH, Tohoku University. This talk will cover results with recent test beams as well as will radioisotopes, including results of quick analysis of the latest test beam to be done in October this year.

1st 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)

2nd 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)

Primary authors: KAWAGOE, Kiyotomo (Kyushu University); KUHARA, Mami; SUEHARA, Taikan (Kyushu University); TSUMURA, Shusaku (Kyushu University); YOSHIOKA, Tamaki; ONOE, Tomoki (Kyushu University); KATO, Yu (University of Tokyo)

Presenter: SUEHARA, Taikan (Kyushu University)

Session Classification: B-1: Calorimeters

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