



Contribution ID: 74

Type: Oral presentation using Zoom

An injection molded strip stability and strip optimization for ILC scintillator ECAL

Wednesday, 27 October 2021 15:30 (20 minutes)

We have produced and tested scintillator strips by injection molding method. The newly fabricated scintillator strip stability for ILC scintillator ECAL is studied. Here we report a stability test using beta ray source for more than 3 months. The measured MIP peak position has tendency of gradual change of $-0.013\%/day$. We have studied the dimple shape for scintillator strips of ILC ECAL. The response uniformity has been measured and simulated for the ILC scintillator ECAL in order to improve better uniformity. We will present and discuss above activities at Shinshu University.

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

10:00-12:00 JST (3:00-5:00 CEST, 21:00-23:00 EDT, 18:00-20:00 PDT)

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Session Classification: B-2: Calorimeters

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