

_logo_small.jpg

/opt/indico/archive/2016/C8/40222322483

Contribution ID : 97

Type : **Contributed Oral**

Status of installation and commissioning for the Belle II time-of-propagation counter

Thursday, 2 March 2017 15:45 (0:20)

Content

The Time-Of-Propagation (TOP) counter in the Belle II experiment is a novel device for particle identification (PID), where a Cherenkov ring image is reconstructed based on timing information of each photon. This can provide better performance of PID than the PID detectors of the former Belle experiment, while compact and low-mass detector system is realized at the same time. We started detector construction at the beginning of 2015 and installation was successfully finished in the middle of 2016. Commissioning of the installed detector with laser calibration system and cosmic ray muons is now in progress toward the physics data taking, which shows reasonable performance of this detector. In this presentation, processes of detector production and initial performance check as well as status of commissioning after installation are reported.

Summary

Primary author(s) : Dr. MAEDA, Yosuke (KMI, Nagoya University)

Presenter(s) : Dr. MAEDA, Yosuke (KMI, Nagoya University)

Session Classification : Particle identification

Track Classification : Particle identification