

3rd Workshop on Advanced Silicon Radiation Detectors (3D and P-type Technologies)

Contribution ID: 19

Type: **not specified**

Beam telescope for testing p- and n-type detectors

Monday 14 April 2008 18:00 (30 minutes)

We constructed in 2007 a beam telescope based on the CMS Tracker data acquisition prototype cards and the APV25 readout chips. The telescope has up to 8 silicon strip reference detectors and slots for couple of modules under test. The APV25 chip has a fully analog architecture, and it can be used for testing both p- and n-type detectors. The impact point precision of the reference tracks is 4 μm , and the S/N of the telescope is 25. The telescope and the detectors under test are housed inside a cold chamber, which allows testing of highly irradiated sensors.

Author: LUUKKA, Panja-Riina (Helsinki Institute of Physics HIP)

Presenter: LUUKKA, Panja-Riina (Helsinki Institute of Physics HIP)

Session Classification: P-type strip detectors 3