

RD13 - 11th International Conference on Large Scale Applications and Radiation Hardness of Semiconductor Detectors



Contribution ID: 21

Type: **not specified**

Performance of different silicon materials for the upgraded CMS tracker

Thursday, July 4, 2013 12:10 PM (25 minutes)

The CMS Collaboration has launched an extensive R&D program to explore the new generation semiconductor detector technologies capable to face the radiation hardness challenges waiting in the near future. This HPK campaign aims to determine which sensor material, polarity and geometries will work best under the foreseen conditions. The presented beam test results help determining the best suited material for the upgrade of the CMS tracker.

Primary author: Dr MAENPAA, Teppo (Helsinki Institute of Physics)

Presenter: Dr MAENPAA, Teppo (Helsinki Institute of Physics)