17th (Virtual) "Trento" Workshop on Advanced Silicon Radiation Detectors

Contribution ID: 164

Type: Oral

ATLAS ITk Pixel quad module test beam results

Friday 4 March 2022 12:10 (20 minutes)

As the module production for the ATLAS ITk Pixel detector approaches, prototype modules are scrutinised with test-beam particles to measure their properties. First results are presented of the reconstruction and analysis of these test-beam data for modules built with four front-end chips attached to a single sensor, called quad modules. The challenges of analysing data from quad modules are highlighted and a comparison with data from single chip modules is given.

Primary author: HADZIC, Sejla (Max Planck Society (DE))

Co-authors: RIZATDINOVA, Flera (Oklahoma State University (US)); MUNOZ SANCHEZ, Francisca (University of Manchester (GB))

Presenter: HADZIC, Sejla (Max Planck Society (DE))

Session Classification: Experiments, Applications, Systems

Track Classification: Applications