



Contribution ID: 430

Type: **Parallel contribution**

ATLAS pixel detector upgrades

Tuesday, 9 August 2011 16:40 (15 minutes)

The ATLAS experiment is building an “Insertable B-Layer” (IBL) pixel detector to be installed on a replacement beam pipe in 2013. This detector is using the new FE-I4 pixel readout chip recently developed. The IBL will fit inside and not alter the existing ATLAS pixel detector. However, the possibility is being studied to replace the pixel whole detector in 2017 with a lower mass, higher performance instrument based on the FE-I4 chip and new mechanical structures.

Primary author: GARCIA-SCIVERES, Mauricio (LBNL)

Presenter: GARCIA-SCIVERES, Mauricio (LBNL)

Session Classification: Detector Technology and R&D

Track Classification: Detector Technology and R&D