

Status of the ATLAS ITk Strip Detector

Tuesday, 13 July 2021 17:15 (15 minutes)

ATLAS is preparing for the HL-LHC upgrade, where integrated and instantaneous luminosity will reach unprecedented values. For this, an all-silicon Inner Tracker (ITk) is under development with a pixel detector surrounded by a strip detector. The strip system consists of 4 barrel layers and 6 endcap disks. Prototyping has been completed successfully, and pre-production is about to start. We present an overview of the Strip System, highlighting the deliverables from the US. We will outline the current status of pre-production on various detector components, with an emphasis on QA and QC procedures. We will also discuss the plans for the pre-production and production phase distributed over many institutes.

Are you are a member of the APS Division of Particles and Fields?

Primary author: KRIZKA, Karol (Lawrence Berkeley National Lab. (US))

Presenter: KRIZKA, Karol (Lawrence Berkeley National Lab. (US))

Session Classification: Particle Detectors

Track Classification: Particle Detectors