

ATLAS ITk Strip Module Status in China

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The LHC will be upgraded to High Luminosity (HL-LHC) to reach a peak instantaneous luminosity of $7.5 \times 10^{34} \text{ cm}^{-2}\text{s}^{-1}$, which corresponds to approximately 200 inelastic proton-proton collisions per beam crossing. The upgraded ATLAS Inner Tracker (ITk) strip system will cover 165 m^2 silicon which is 2.5 times the size of the current ATLAS silicon strip detector. China has committed to deliver 10% of the ITk Strip barrel modules. This talk will cover the tooling, hybrid, and module development and experience gained towards the final release.

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