

# The ATLAS Silicon trackers and its performance

*Monday 25 May 2015 15:40 (50 minutes)*

Silicon detectors are at the heart of the ATLAS experiment and play a crucial role in physics program pursued at the LHC. They used for precision position tracking and momentum reconstruction as well as particle identification. I will discuss the ATLAS detector with special emphasis on silicon tracking technology, front-end electronics, and the challenges in detector design for the LHC environment.

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