

ATLAS pixel upgrades

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In order to be ready for the HL-LHC, the entire tracking system of the ATLAS experiment will be replaced by a new silicon detector called Inner Tracker (ITK). The new pixel system is currently being developed and could include around 14 m² of silicon. Here we present the status of the ongoing development of 3D silicon pixel sensors as well as the work on the very first demonstrator.

Summary

Primary authors: Mr HEGGELUND, Andreas Lokken (University of Oslo (NO)); READ, Alexander Lincoln (University of Oslo (NO)); SANDAKER, Heidi (University of Oslo (NO)); ROHNE, Ole (University of Oslo (NO))

Presenter: Mr HEGGELUND, Andreas Lokken (University of Oslo (NO))

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