

## Upgrade Planning for the ATLAS Tracker

*Monday 18 February 2013 10:00 (30 minutes)*

A series of upgrades leading to those required for the HL-LHC phase of ATLAS is described with emphasis on those relating to the tracking part of the experiment. Aspects of the proposed ATLAS HL-LHC tracker layout and recent results on prototyping performance are presented. The wider context of ATLAS Upgrade planning is also briefly discussed along with current understanding of scheduling. The expected performance of the upgraded tracker in the presence of high pile-up is shown to motivate the baseline detector choices although possible alternative layouts are also mentioned.

### Summary

The proposed talk is intended to have the nature of an overview but can enter into more detail on technologies, depending on the topics dealt with in other ATLAS presentations.

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**Session Classification:** Introduction