

Construction of LHCb's Upstream Tracker

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The Upstream Tracker (UT) is a silicon tracking sub-detector currently under construction that will sit just upstream of LHCb's dipole magnets during Run III of the LHC. It improves on the previous tracker in several ways, including enabling LHCb's new 40 MHz fully-software trigger, and comprises 968 silicon sensors mounted in four planes together with their requisite readout electronics and cooling systems.

This talk will give an overview of the UT and describe its construction with an emphasis on its mechanical and thermal structures.

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

Yes

Primary author: WILKINSON, Michael Kent (Syracuse University (US))

Presenter: WILKINSON, Michael Kent (Syracuse University (US))

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