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The Silicon Strip Upgrade Tracker for the LHCb Upgrade

The LHCb upgrade requires replacing the silicon strip tracker between the vertex locator and the magnet. A new design has been developed and tested based on the “stave” concept planned for the ATLAS upgrade. We will describe the new detector being constructed and show its improved performance in charged particle tracking.

Author: Prof. STONE, Sheldon (Syracuse University (US))

Co-author: ARTUSO, Marina (Syracuse University (US))

Presenter: ARTUSO, Marina (Syracuse University (US))

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