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The Upstream Tracker: the silicon strip detector for the LHCb upgrade

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The Upstream Tracker is a four-layer silicon strip detector positioned upstream of the dipole magnet. It is a key sub-detector for charged particle tracking, capable to provide fast track momentum information, essential for the software based trigger. We will discuss the detector design, based on silicon strip sensors, which features embedded pitch adapters and top-side biasing. The sensors are readout by a novel front-end ASIC mounted on hybrid circuits in the active area. The status of the construction will be presented.

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