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Role of Pixel Detectors in High Energy Physics

A number of new types of pixel detectors have been pioneered in the last few years. This includes new types of sensors as well as new electronics to allow much higher performance. At the same time new experiments are being planned or nearing completion covering a broad range of physics topics in flavor physics as well as large major upgrades at the LHC. These are planning to make use of the advances in pixel detectors in important ways. In this review both the pixel advances and how they enable the physics will be presented.

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