

## Pixel detectors

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Pixel detectors have replaced micro strip detectors as vertex trackers in the innermost part of collider detectors. Hybrid pixel detectors, in which sensor and read-out ICs are separate entities, constitute the present state of the art in the pixel technology being able to stand the extreme requirements at the LHC. A number of trends and further developments, most notably monolithic or semi-monolithic approaches are in development, targeting other tracking, but also imaging applications. The present state in pixel detector development as shown at the PIXEL2005 conference in Bonn, Sept. 2005 will be reviewed.

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