

## The ATLAS Pixel Detector Overview and Present Status

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The ATLAS experiment at the Large Hadron Collider will use a Pixel Detector as the innermost part of its tracking detector.

The Pixel detector is designed to operate with a 40 Mhz bunch crossing frequency, a high particle flux density and an unprecedentedly extreme radiation environment.

The Pixel detector will consist of more than 1700 modules for a total sensitive area of about 1.7 m<sup>2</sup> and over 80 million pixel cells, arranged in three layers in the barrel part and three disks in the forward and backward parts.

The main characteristics of the project are illustrated together with recent experimental results and construction experience.