

Overview of the 3D Pixel sensors: recent laboratory measurements for the ATLAS Insertable B-Layer (IBL)

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3D Silicon Pixel sensors fabricated at FBK-irst and at CNM with Double-side Double Type Column approach with full pass through columns electrodes have been irradiated and tested in laboratory.

We will present an overview of the recent results from laboratory tests obtained with devices non irradiated and irradiated with protons up to $5 \times 10^{15} \text{ neq/cm}^2$

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