

Time resolution of an irradiated 3D silicon pixel detector

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We report on the measurements of time resolution for double-sided 3D pixel sensors with a single cell of $50\ \mu\text{m} \times 50\ \mu\text{m}$ and thickness of $285\ \mu\text{m}$, fabricated at IMB-CNM and irradiated with reactor neutrons to different radiation doses up to $1\text{e}16\ \text{MeV n}_{eq}/\text{cm}^2$.

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