



Performance of Highly Irradiated FBK 3D and Planar Pixel Detectors

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- Two types of pixel sensors are considered for the future CMS Inner Tracker, during High Luminosity LHC:
 - Traditional planar pixel sensors
 - 3D pixel sensors → **Higher radiation resistance**, but more expensive production
- Irradiated FBK 3D and planar pixel sensors, interconnected to the RD53A readout chip, were tested at DESY
 - In this poster, test beam results of these modules are reported
- These studies will help the optimization of the pixel sensor technology to use in the future CMS tracker

