

IHEP HGTD - Weekly report

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Content

- Summary on the sensors and configurations tested in last DESY test beam (in March)
- IHEP sensors and next DESY test beam

List of sensors - March Test Beam

DESY TestBeam

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- Reference sensor: CNM 9088 W9LGA35 un-irradiated
 - HPK sensors (3.1 & 3.2):
 - Un-irradiated 2*2 arrays
 - Irradiated single pads and 2*2 arrays (: 8e14n, 1.5e15n, 1e15p, 3e15n, 6e15n)
 - CNM W4 (Standard) vs W5 (C-infused) vs W6 (Gallium):
 - Irradiated 2*2 arrays (6e14p)
 - Voltage points

IHEP sensors in the test beam

- Next test beam will start on 13th of May
 - In DESY (electrons beam)
 - For one week
- Discussion with the test beam conveners
 - Bond the sensors to the boards (SLAC boards)
 - I-V Lab measurement to know the operations and breakdown voltages for the sensors
 - What is the “top layer metal mask” used in IHEP sensors?