

FPCCD Vertex Detector Performance Estimation

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Recent Checks

- Dependencies on Range Cut of Delta-lay
→ I tried 100um(default), 1um, and 0.1um.
check:
spatial resolution, trackfit, FPCCDDigitizer
- Dependencies on the point of generation
→ I tried muon's point of generation(0,0,1)
(0,1,1),,,etc.(unit:mm)
check: spatial resolution---->No Change.

Recent checks 2

- Tracking efficiency.
→ At 1GeV of muon whose theta = 85deg,
Tracking efficiency of Vertex Detector
(by using CMOS) is almost 80%.

I'm in a pickle.