HANUL MEETING

Hodoscope
G4optsim

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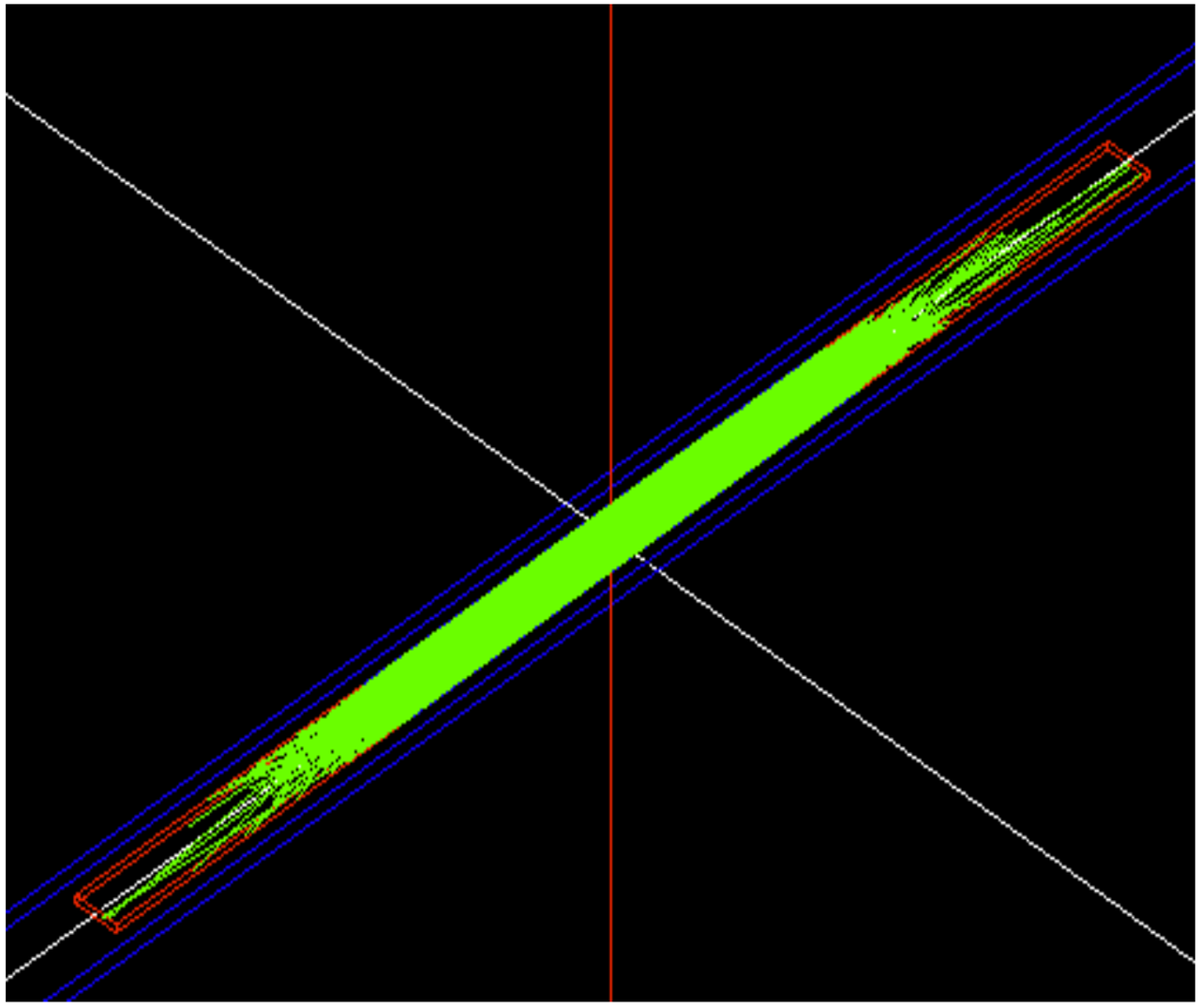
CONDITIONS

Beam : 10 GeV mu-



SD scintillator

- **(80^{L} x 7^{W} x 1^{T} cm)**
- **Scintillation yield : 10000./MeV**
- **Absorption length : 140 cm (typical)**
- **Reflective index : 1.58**

Al reflector

- **Wrap a scintillator**
- **0.5 mm thick**
- **Reflective index : 1.20**
- **Reflectivity :0.95**

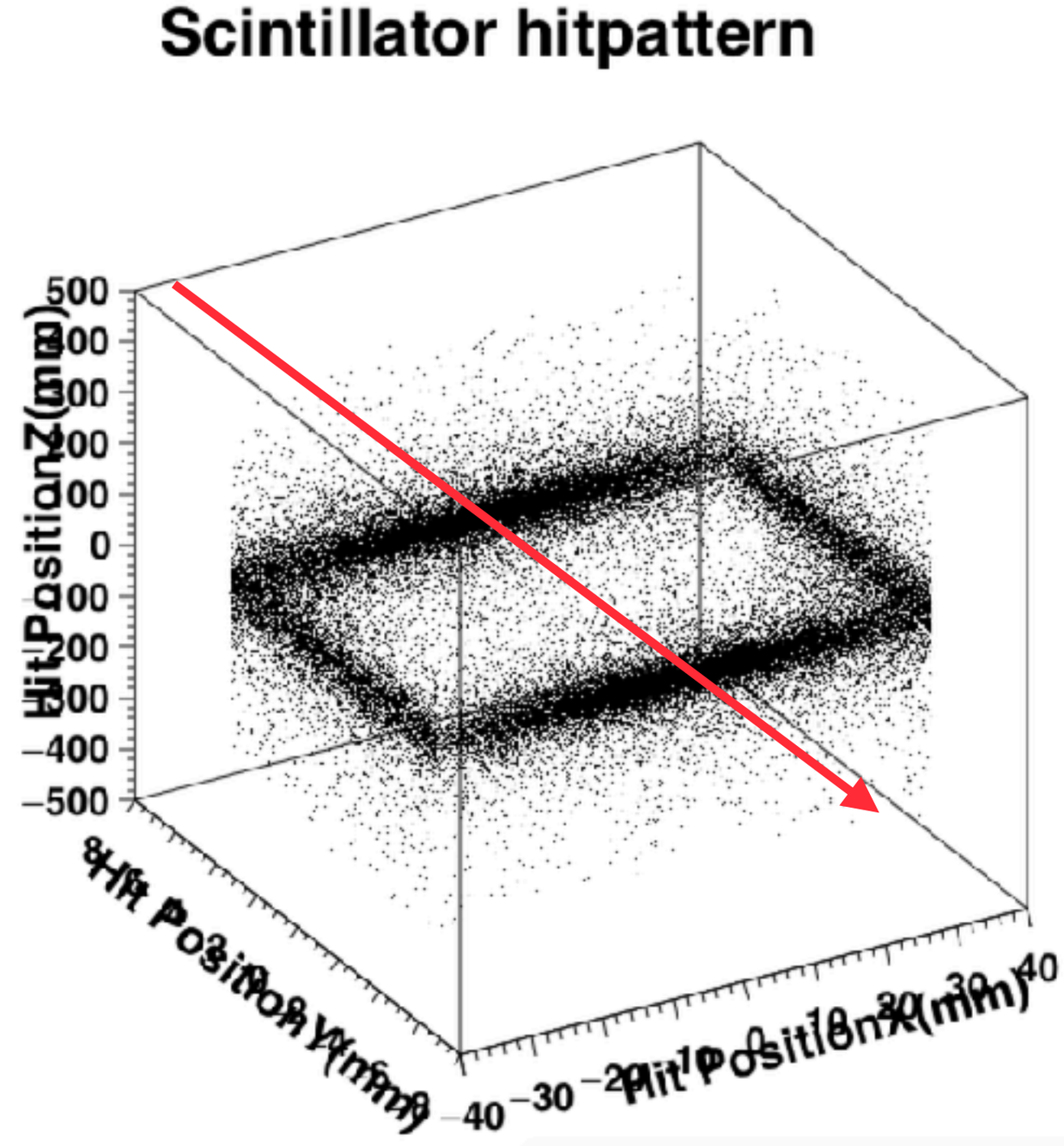
SD MPPC

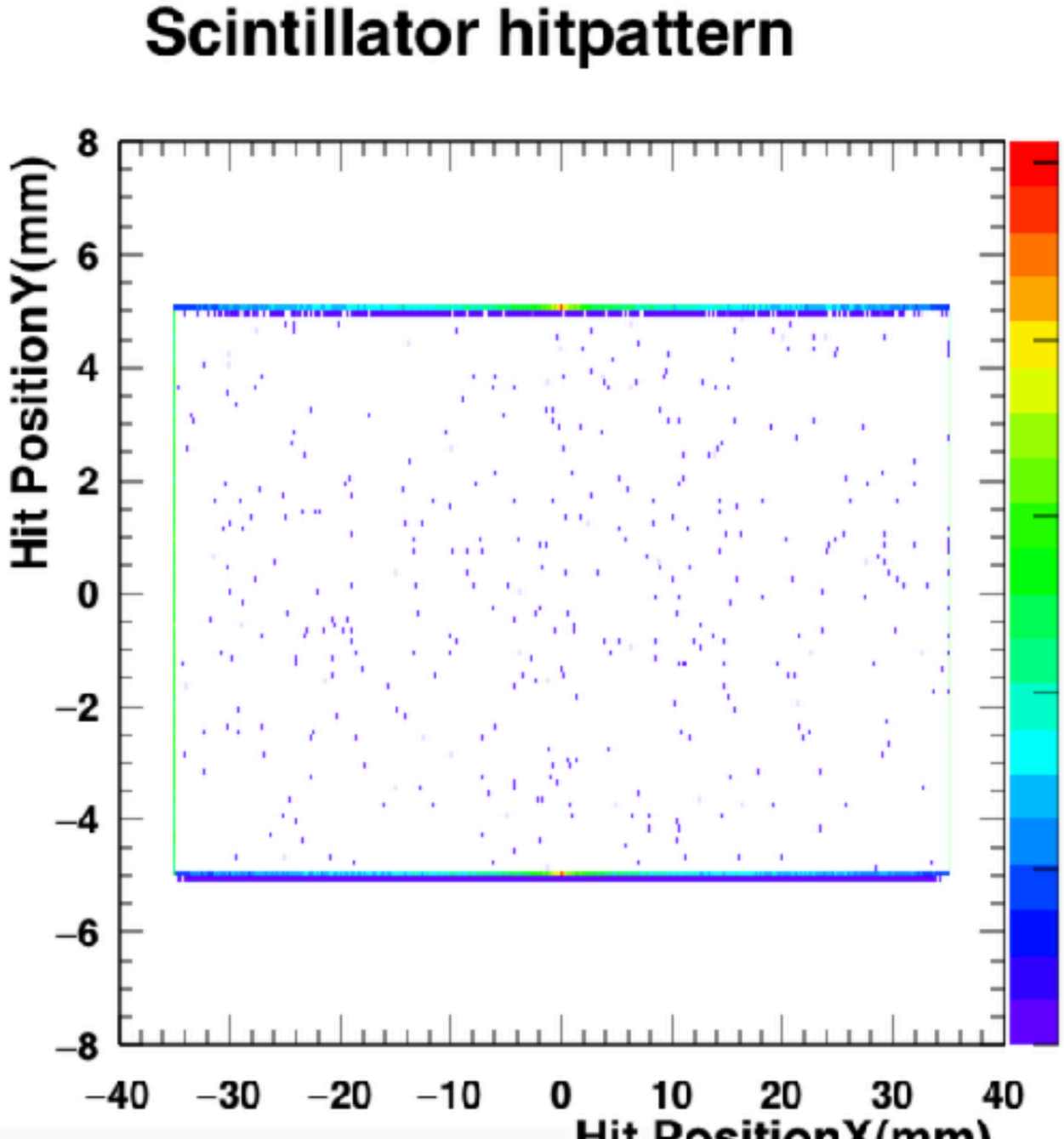
- **(50^{L} x 7^{W} x 1^{T} cm)**
- **Reflective index : 1.41**
- **Reflectivity :0.95**

Physics processes

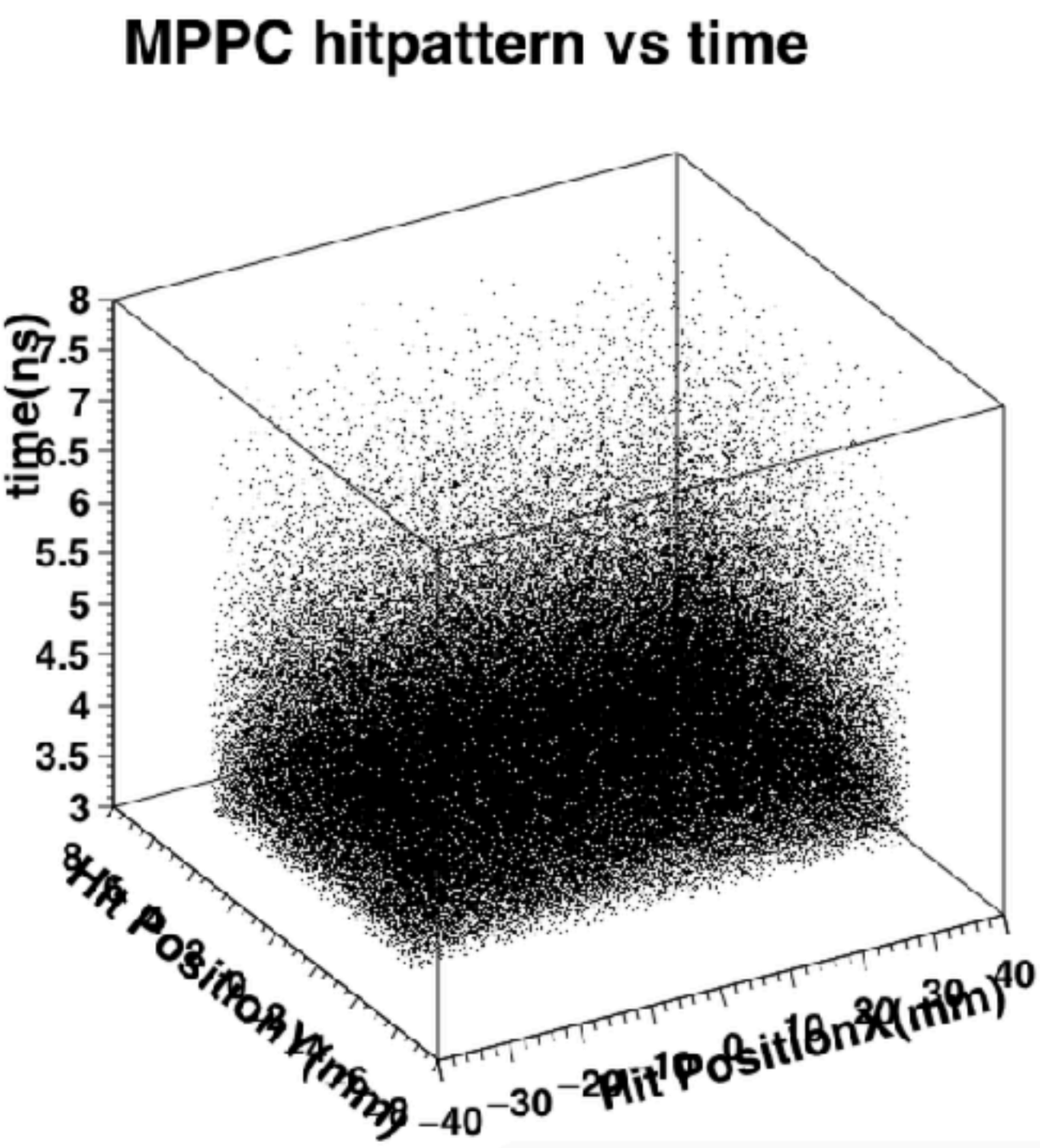
- **Boundary process**
- **Scintillation process**
- **Absorption process**
- **Ignored a saturation**

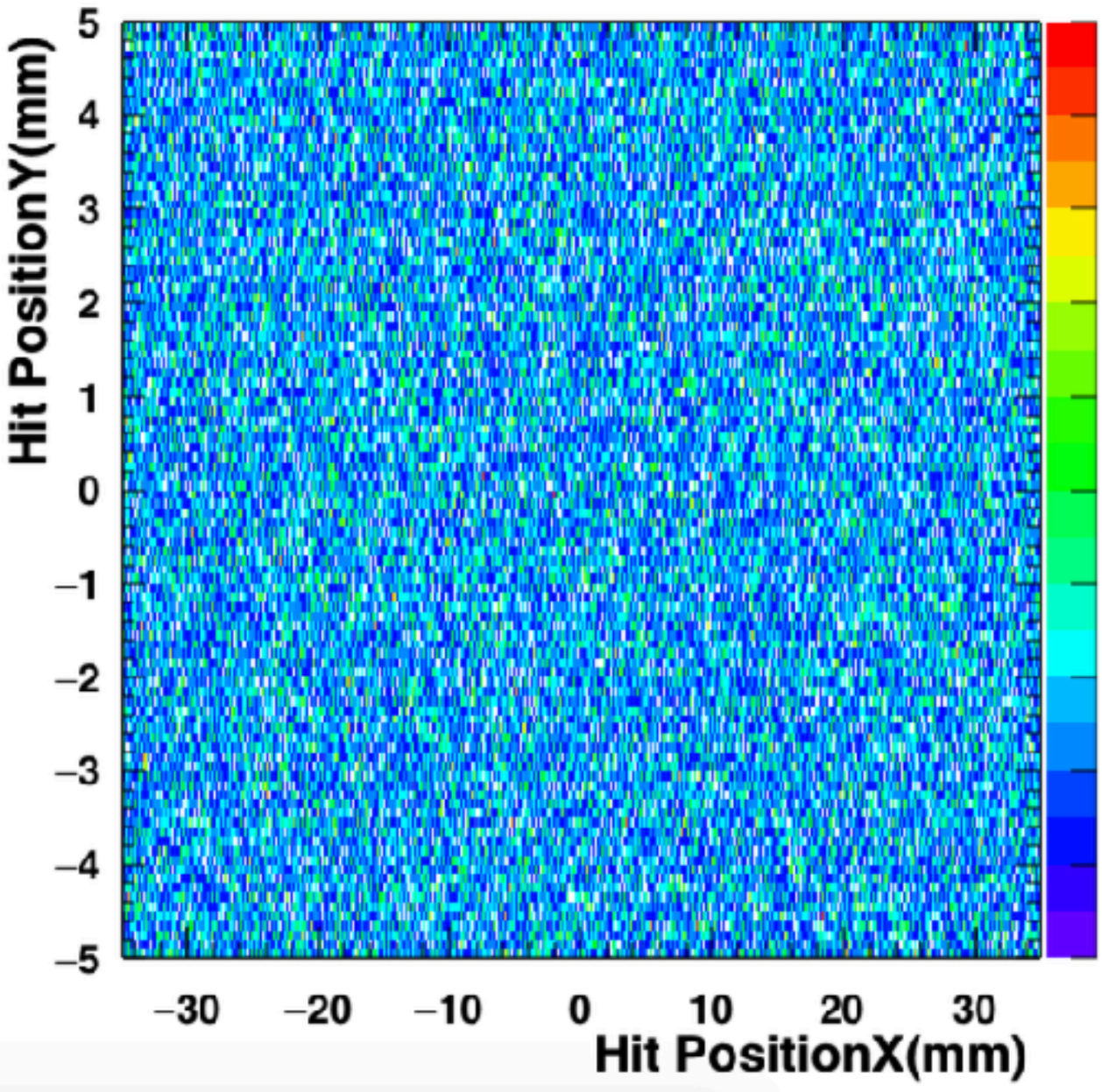
SCINTILLATOR HIT PATTERN





MPPC HIT PATTERN





MPPC HIT PATTERN