LAMPS-TPC Simulation

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Clustering





Digi



special resolution along z-axis(1 mm)



Digi

Pad Response Function Analysis



- 1. Assume cluster size.
- 2. Project to different projection planes.
- 3. Get cluster charge, position and standard deviation.

Pad Response Function Analysis



1. Effective cluster area is calculated with projection planes

Pad Response Function Analysis



- 1. Standard deviation along x-axis should be same in layer.
- 2. Overlap of clusters
- 3. Cluster with small digi or charge can be merged or deleted.