Divided GEM strips

Rich Holmes SoLID simulation meeting 8/8/2017



Crosstalk — Undivided strips





Clustering/Matching — Undivided strips

(done in tracking package, not digitization)

Strips around a local maximum are mapped to a coordinate in a single dimension. Matched based on strip crossings with other plane to generate hit coordinates in two dimensions.

2 clusters



Substrip 0

Clustering/Matching **Divided strips**

Must develop clusters from nonhomogeneous substrip groups



🚩 Cluster in homogeneous substrip group



Cluster in two substrip groups

Tuster in three substrip groups

Partial 2-dimensional information to be matched with partial 2dimensional information from other plane

Non trivial changes to matching and clustering algorithms