EPICAL-2

---

Shower Position

EPICAL-2 Analysis Meeting

Fabian Pliquett

03.02.2021
calculate centre of gravity of hits in all layers

determine mean of layers 4 – 7 => preliminary shower position

define search area in layer 0 with preliminary shower position

calculate centre of gravity of hits in search area for final shower position
Shower Position

distance between prel. and final shower position

cutoff at 80 because of search area around prel. shower position in layer 0

=> in total ~1000 events for which shower position could not be determined
Example Showers

event 188

large isolated cluster in layer 7

event 188
Example Showers

event 458

isolated clusters in layers 4, 5, 6
Example Showers

event 644

isolated clusters in layers 4, 5, 6, 7