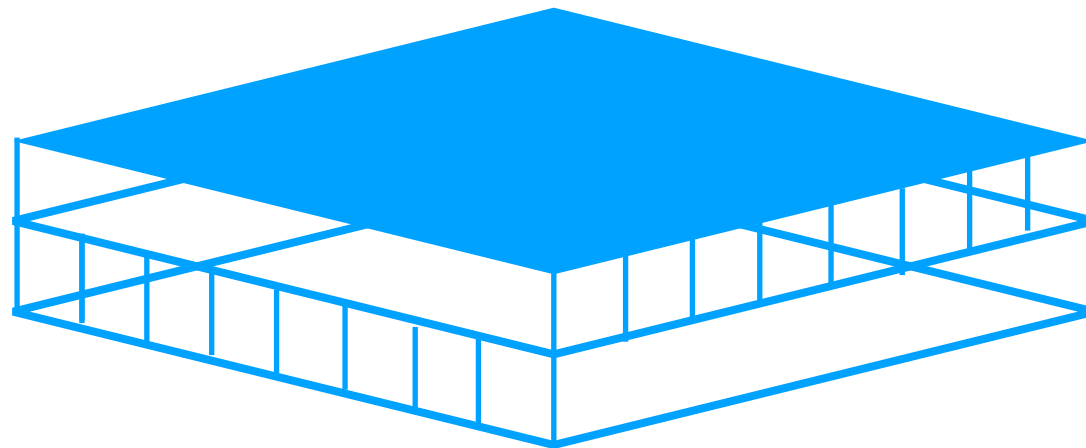


Group Meeting

Test of a new ECal Design

Design

- Crossed Crystal Bars & Meshes
 - 14 super layers
 - 400mm*10mm*10mm bars

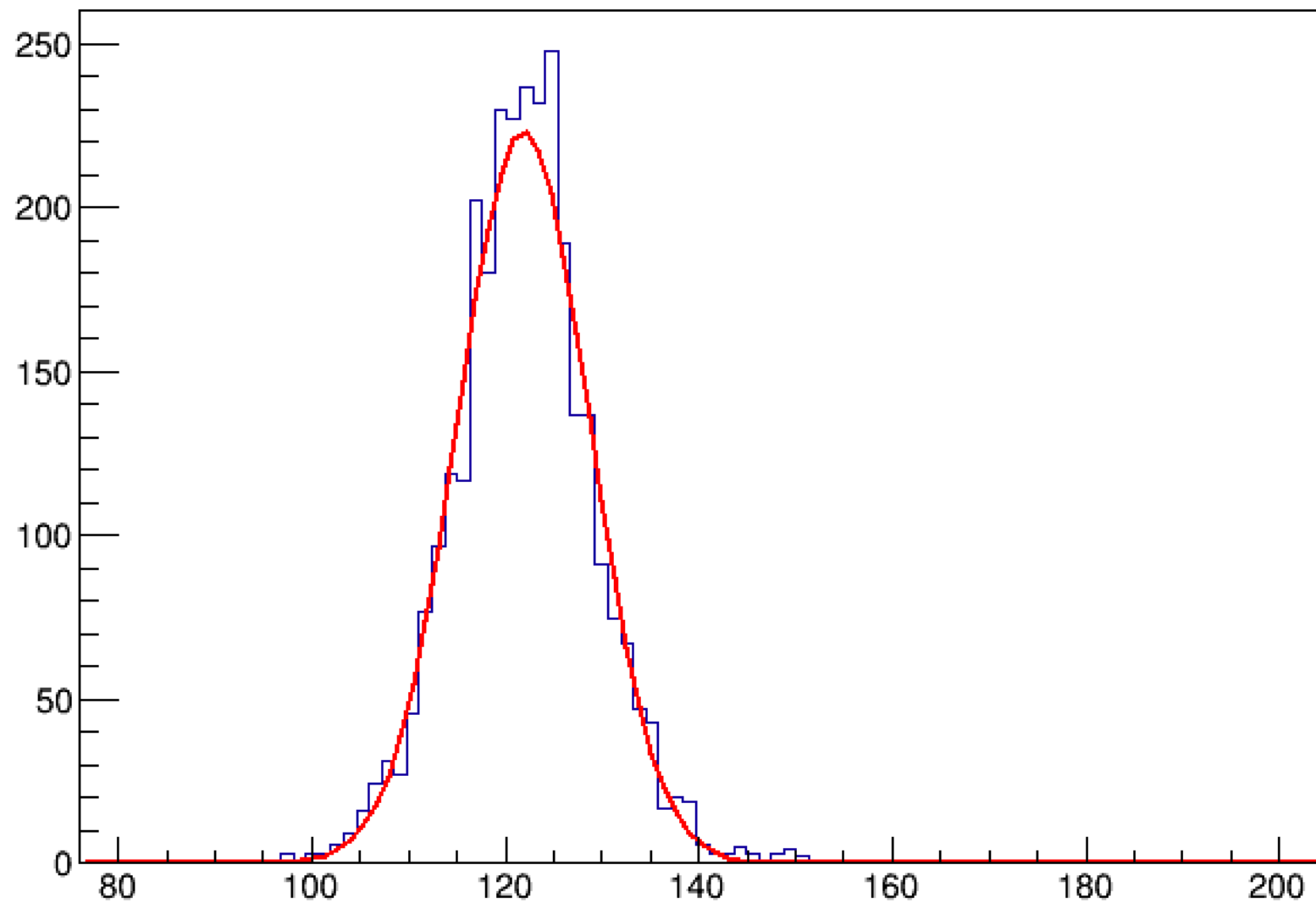


Motivation

- Cost saving
- Take advantage of the sampling crystal

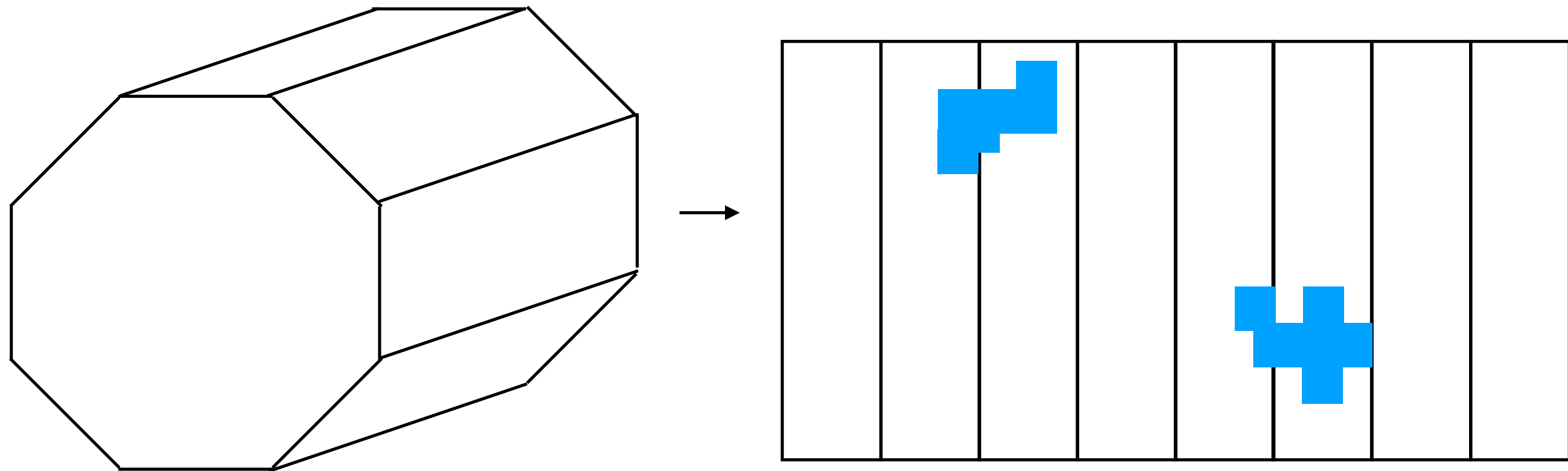
Bottom line

- Take crystals as absorber -> 14-layer-Si readout
- BMR: 5.5



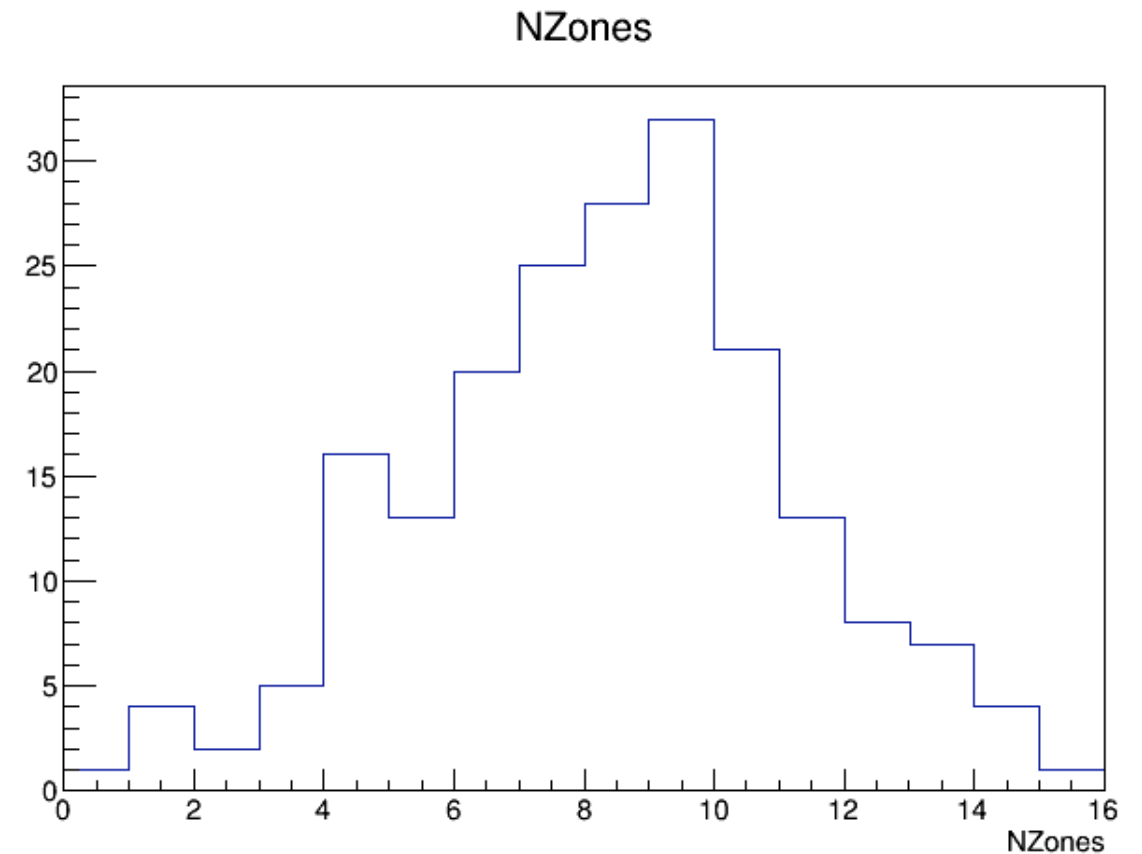
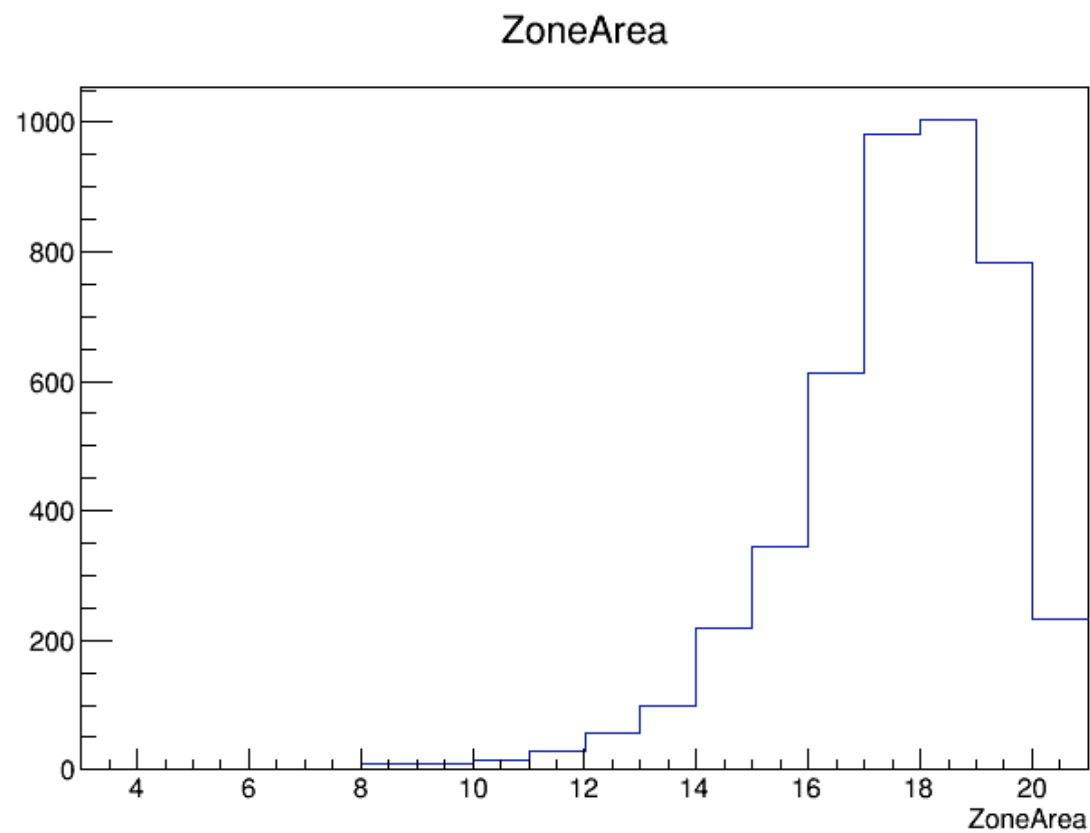
Idea

- Combine connected super cells to zones
- Energy Distribution of zones



Zone & SuperHits

- SuperHits in Zones
- Number of Zones
- Need to do: optimize the thresholds for Crystal hits and superhits



back up

Hit Threshold: 0.1GeV SuperHit Threshold: 0.8GeV

