

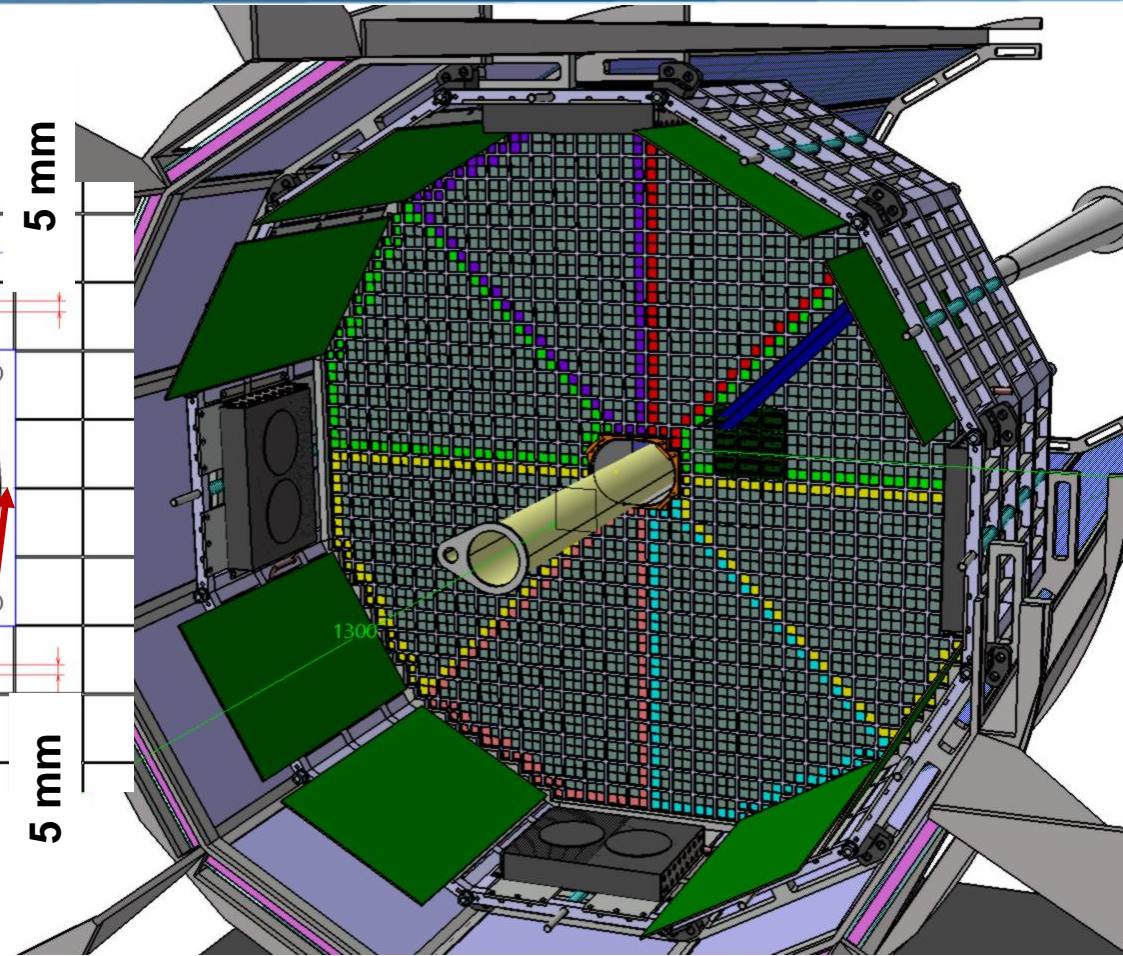
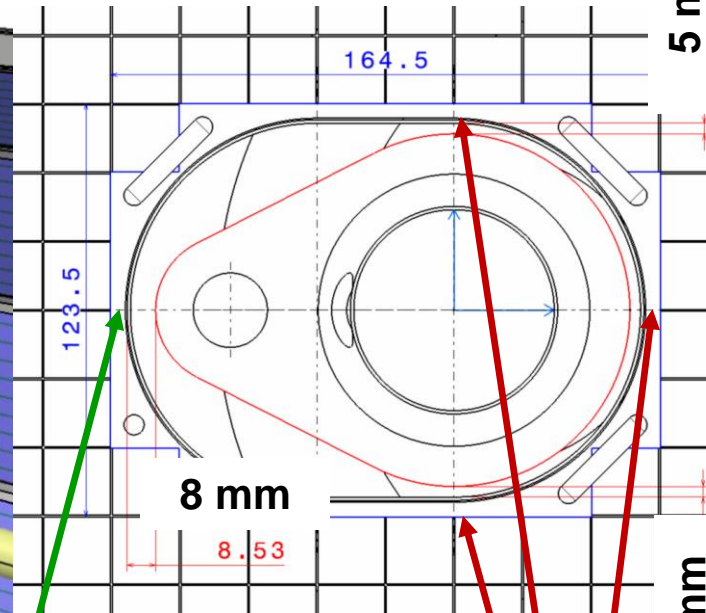
# Low $Q^2$ coverage Backward EMCAL

Carlos Muñoz Camacho,  
for the Calorimetry WG

EPIC GD/I meeting  
February 7, 2023



Clearance with the beam pipe:  
 5 mm

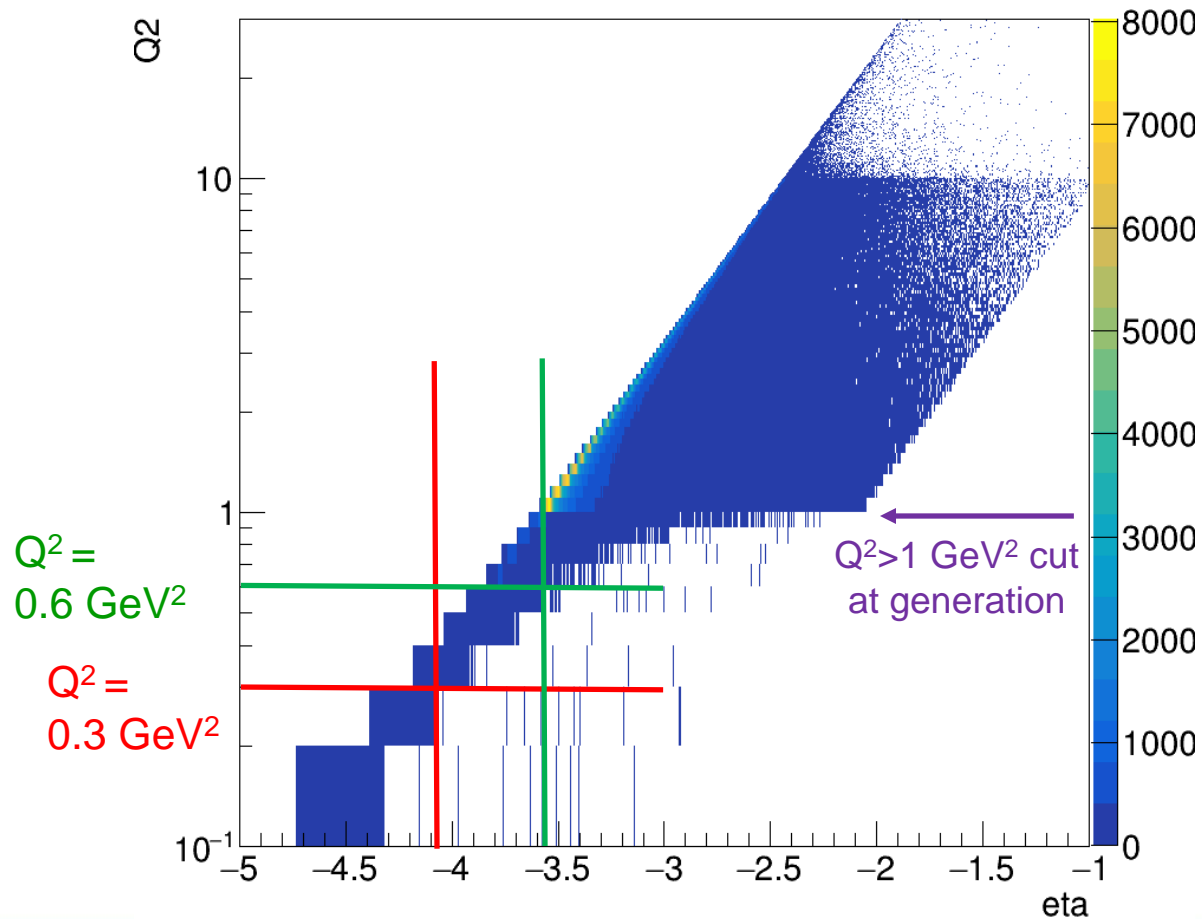


6 cm from e-pipe:  $\eta=4.07$  (at  $z=175$  cm)

10 cm from e-pipe:  $\eta=3.56$  (at  $z=175$  cm)

## Pythia 6: 18 GeV x 275 GeV (with RadCor)

S3/eictest/EPIC/RECO/22.11.3/epic\_arches/SIDIS/pythia6/ep\_18x275/hepmc\_ip6/radcor



- Coverage up to  $\sim 0.5 \text{ GeV}^2$  is possible
- Reconstruction below  $1 \text{ GeV}^2$  might be difficult (needs further simulation/analysis)