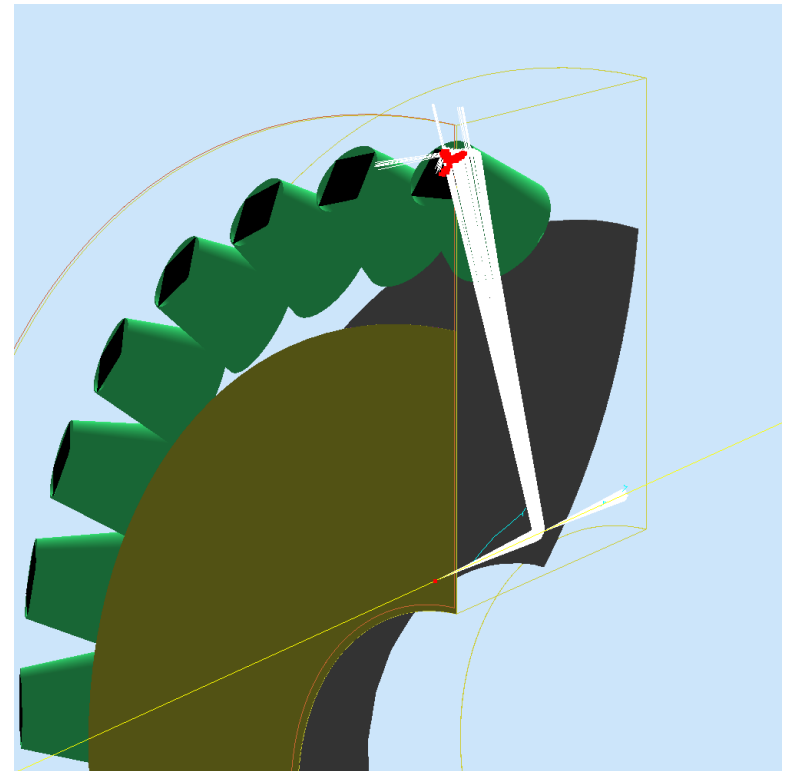
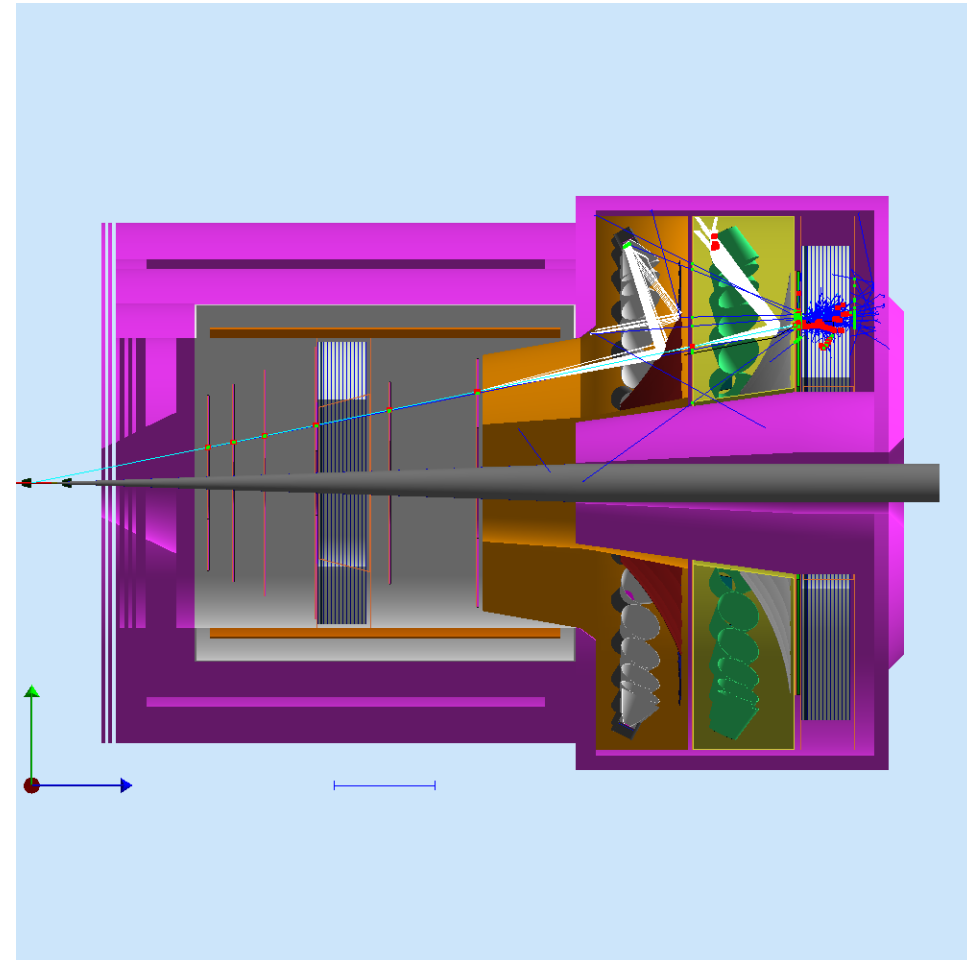


HGC update

Zhiwen Zhao

2016/02/18

Overview



Hit pattern on 4x4 of 2" MAPMT

(pionm, at phi=0deg)

2.5GeV

7.5GeV

7.5deg

8.0deg

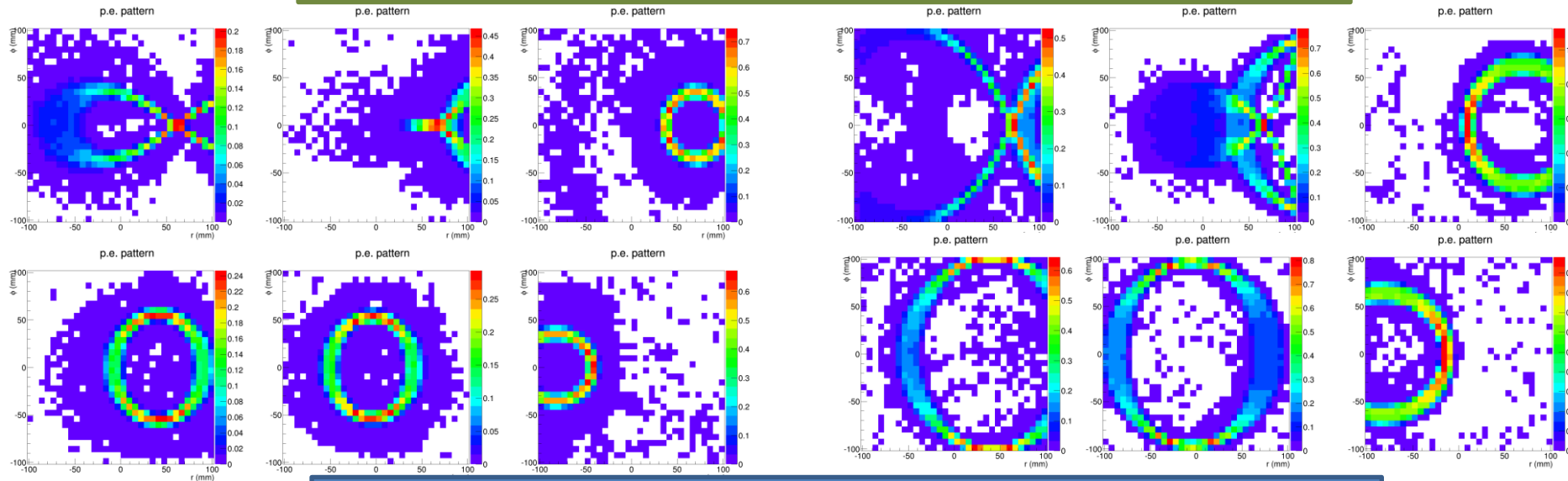
14.8deg

7.5deg

8.0deg

14.8deg

Old configuration, PMT at r=239.7cm, z=325cm, tilt 44 degree

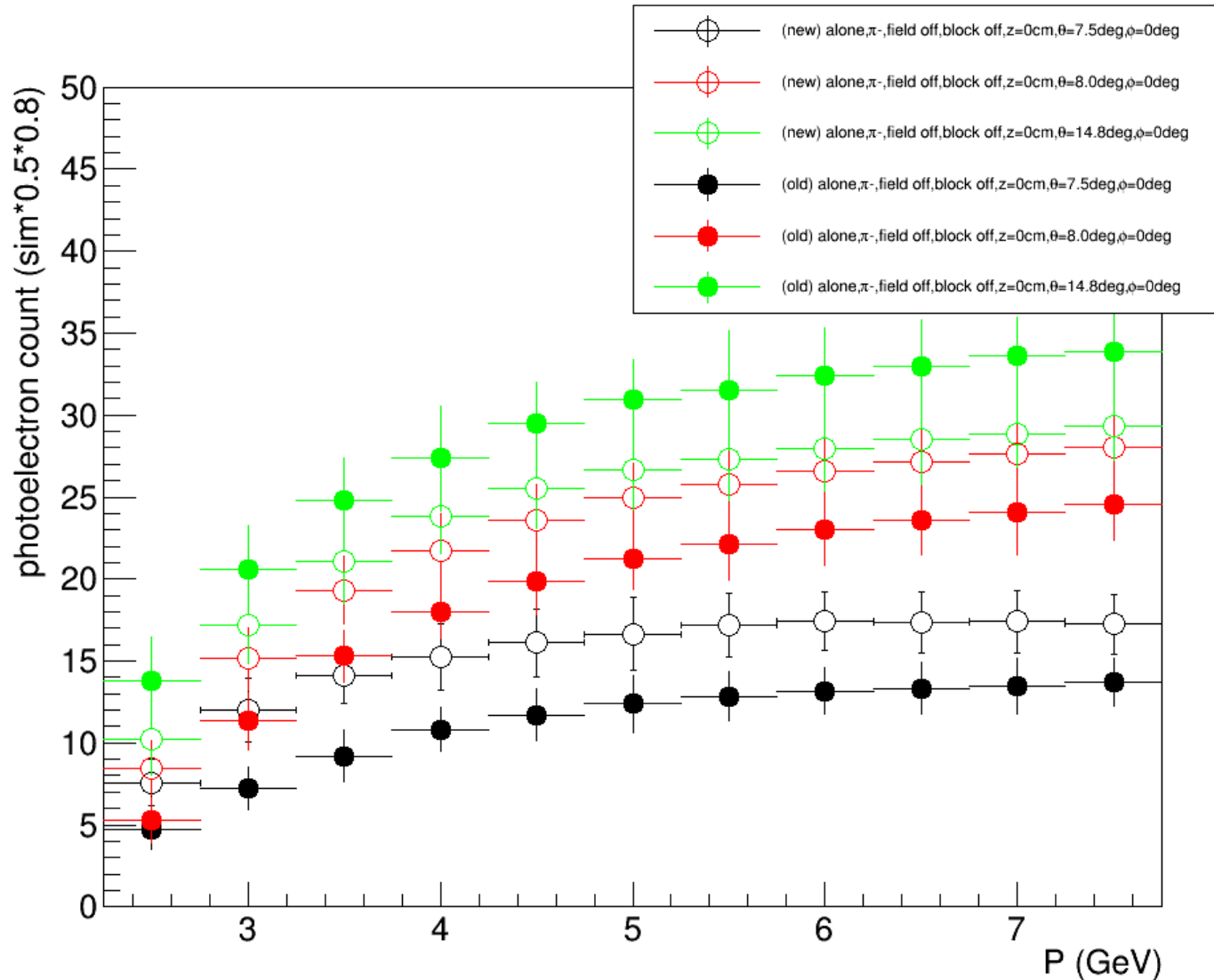


New configuration, PMT at r=249.7cm, z=335cm, tilt 65 degree

- New configuration optimized for small angle where higher rate, higher background
- New configuration reply more on one bounce photons from mirror, less on two bounce photon from cone

Comparison

- Theta= 7.5deg and 8deg, increase by 20-30%
- Theta=14.8 deg, decrease by 20-30%



Result in pCDR

