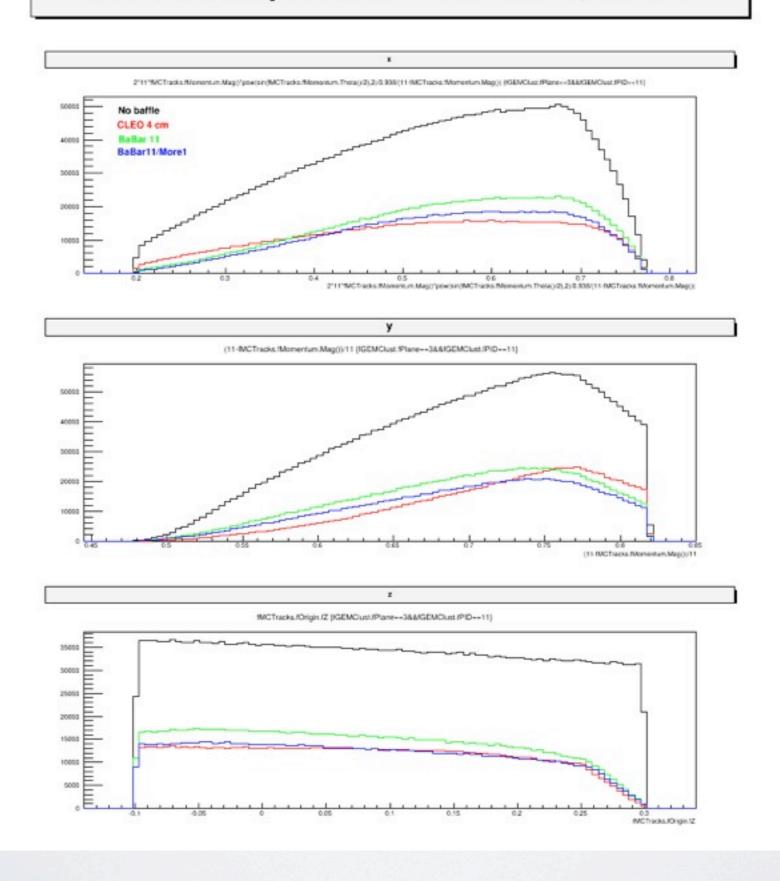
BAFFLE ACCEPTANCES

Rich Holmes Sep 24 2013 SoLID Meeting

- 5e6 electrons on target
- 5 cm CLEO kryptonite baffles, kryptonite beamline, GEMs
- Look at distribution of ϕ_{hit} (relative to segment center). Why is it asymmetric? Look at hits from on/ off beam center (no raster)

- 5e6 electrons generated with:
 Flat distribution in x from 0.2 to 0.8;
 p' from 2 to 6 GeV/c;
 z over target;
 phi over 2π
- Kryptonite baffles and magenet, virtual last GEM, no other apparatus
- Look at distributions of x, y, z_{vertex} for: No baffles; 4
 cm CLEO baffles; I I layer BaBar style baffles; I I layer BaBar with additional I° blocked

Relative acceptances for electrons, GEM 4



- 5e6 electrons generated with:
 Flat distribution in θ from 0° to 60°;
 p' from 0 to 11 GeV/c;
 z over target;
 phi over 2π
- Kryptonite baffles and magenet, virtual last GEM, no other apparatus
- Look at distributions of p', θ , z_{vertex} for: No baffles; 4 cm CLEO baffles; I I layer BaBar style baffles; I I layer BaBar with additional I° blocked

Relative acceptances for electrons, GEM 4

