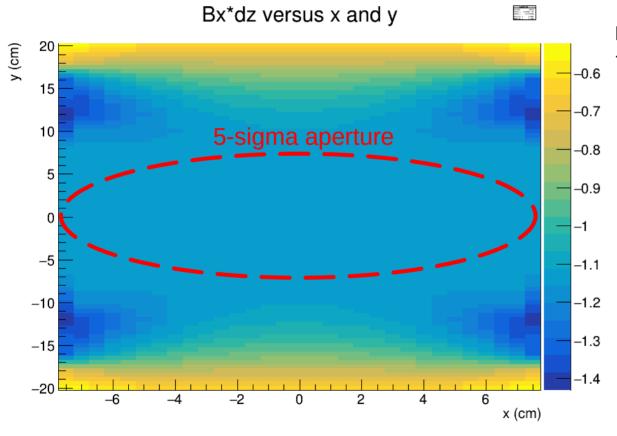
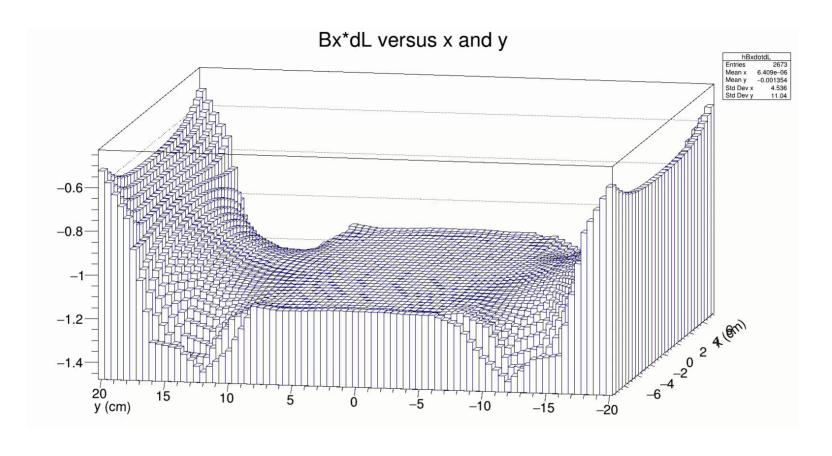
Bx*dz landscape



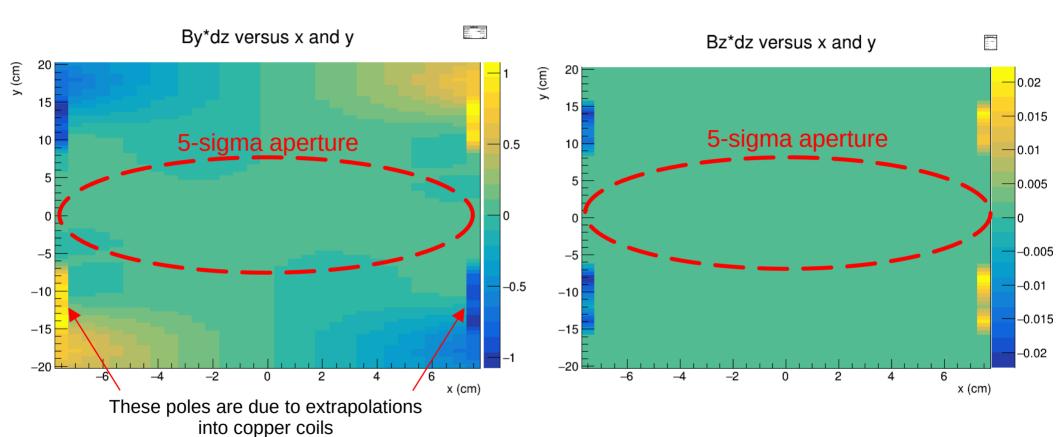
News:

- The lumi dipole field maps provided by Peng Xu have been implemented in DD4hep (PR in progress).
 - In 1-sigma aperture (1.5 cm radius):
 - < Bx*dz > = -1.1385 T*m
 - Std = 0.00005 T*m
 - In 5-sigma aperture (7.5 cm radius):
 - < Bx*dz > = -1.1395 T*m
 - Std = 0.0015 T*m
 - The ePIC lumi dipole's bending power is 3.4 times larger than ZEUS

Animation of Bx*dz landscape



By*dz and Bz*dz landscape

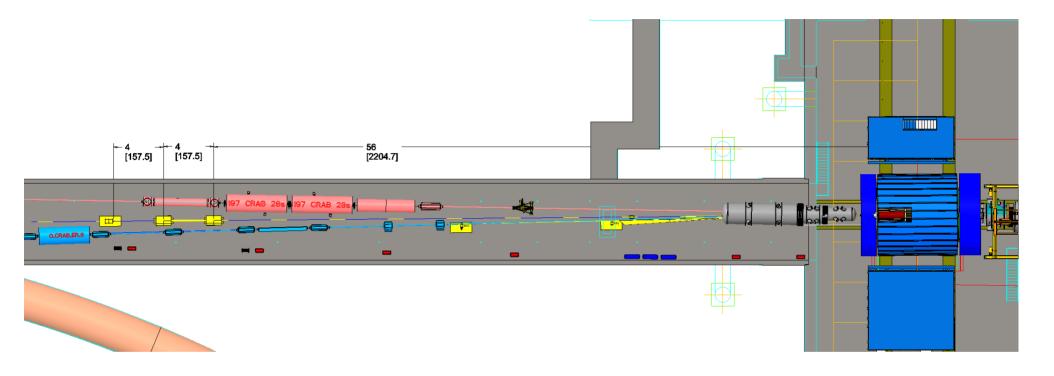


$$<$$
By*dz> = 1e-21 T*m
Std = 0.001 T*m

$$= 1e-14$$

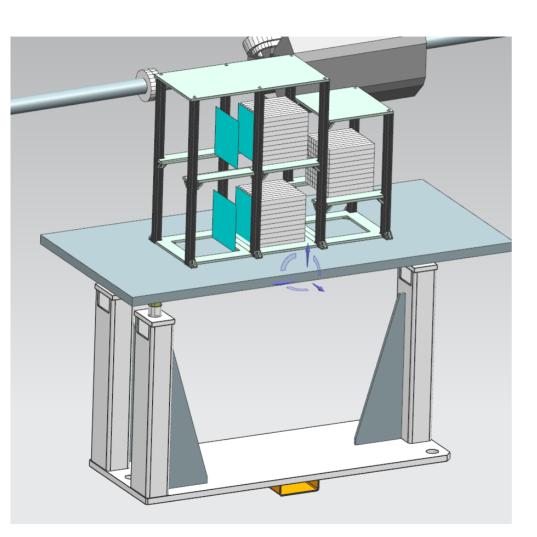
Std = 1e-13

Karim's FB CAD model with current Lumi system



• The Lumi system was shifted 6.5 m closer to the IP due to an overlap with the large electron CRAB cavity.

Jonathan Smith's current CAD model of Lumi system



The 80/20 frame was extended to provide support for tracking layers