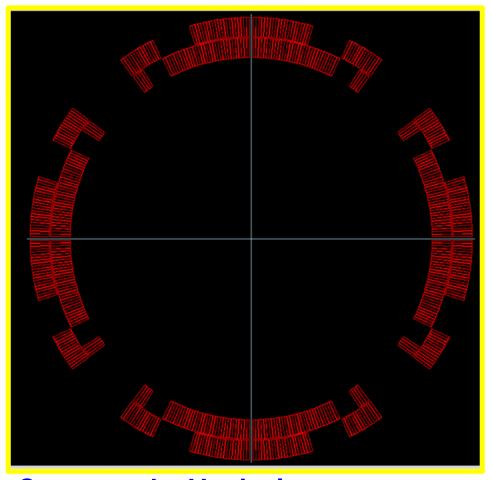


Return End Coil Design



Ramesh Gupta



40

Big blocks in body broken in to two because of too many turns

80

60

Cutout at the Vertical Plane at the Return End (symmetric)

20

120

140

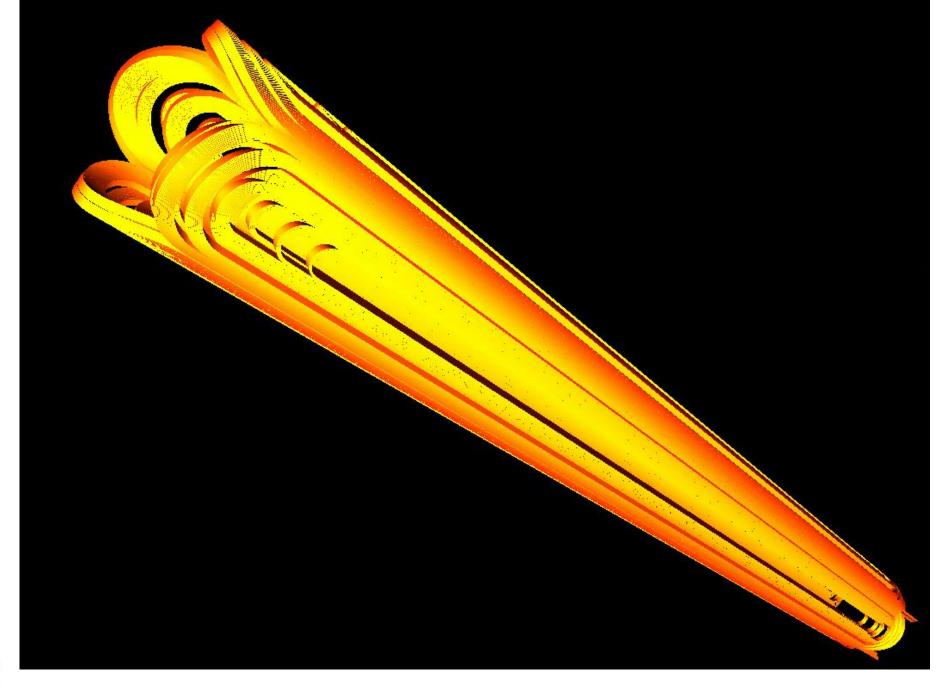
100

160

**Symmetric** 

octant of the

X-section



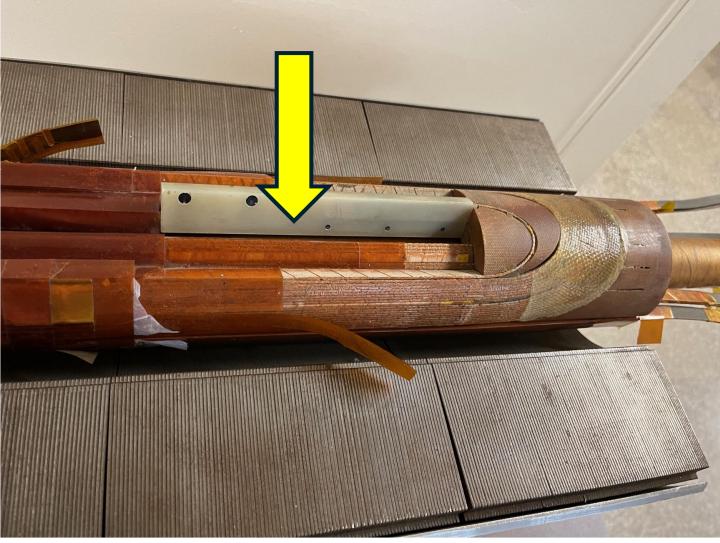


# Inner and Outer Layers with inter-layer splice



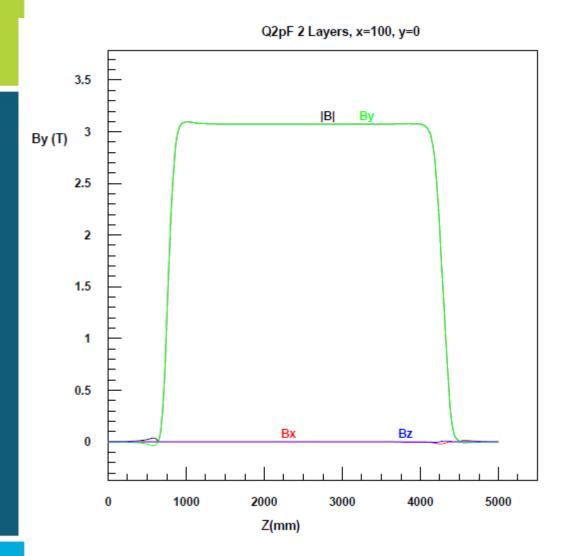
# Inter-layer Splice in Previous 2-layer Coils

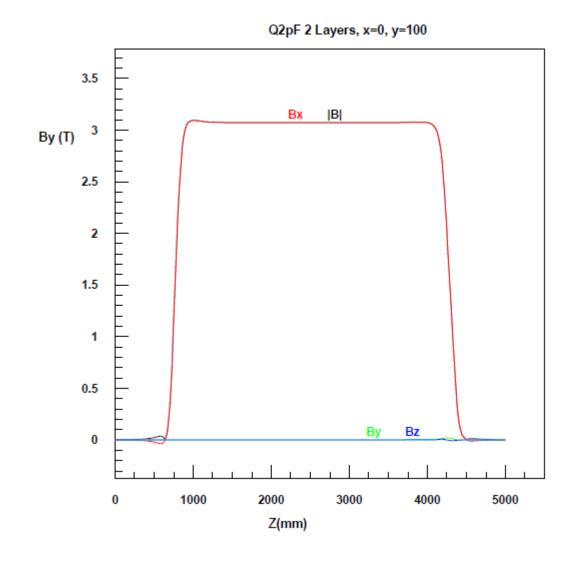




February 27, 2024

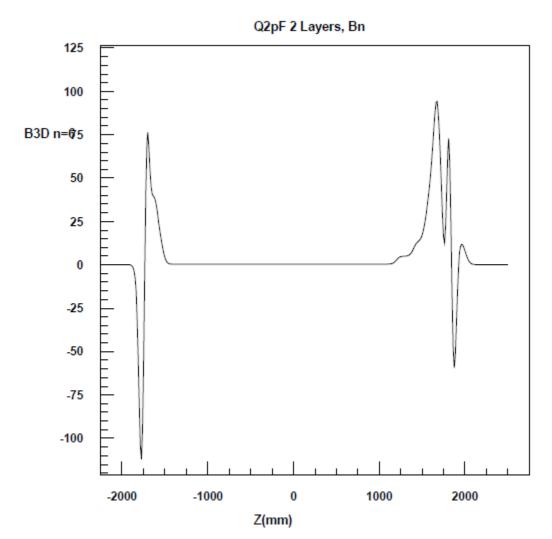
## Field @R=100mm on horizontal and vertical plane

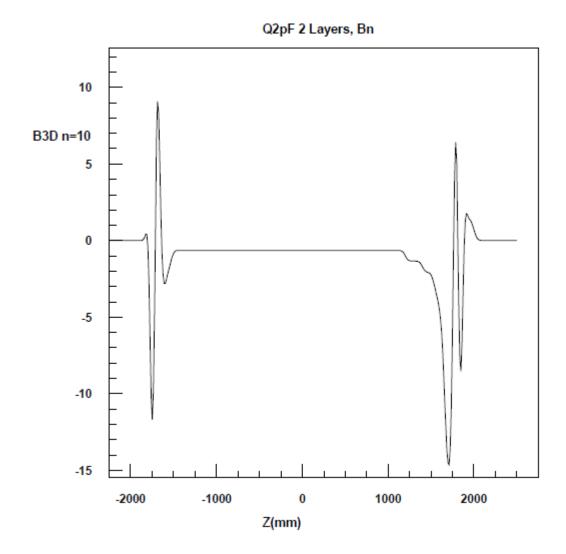






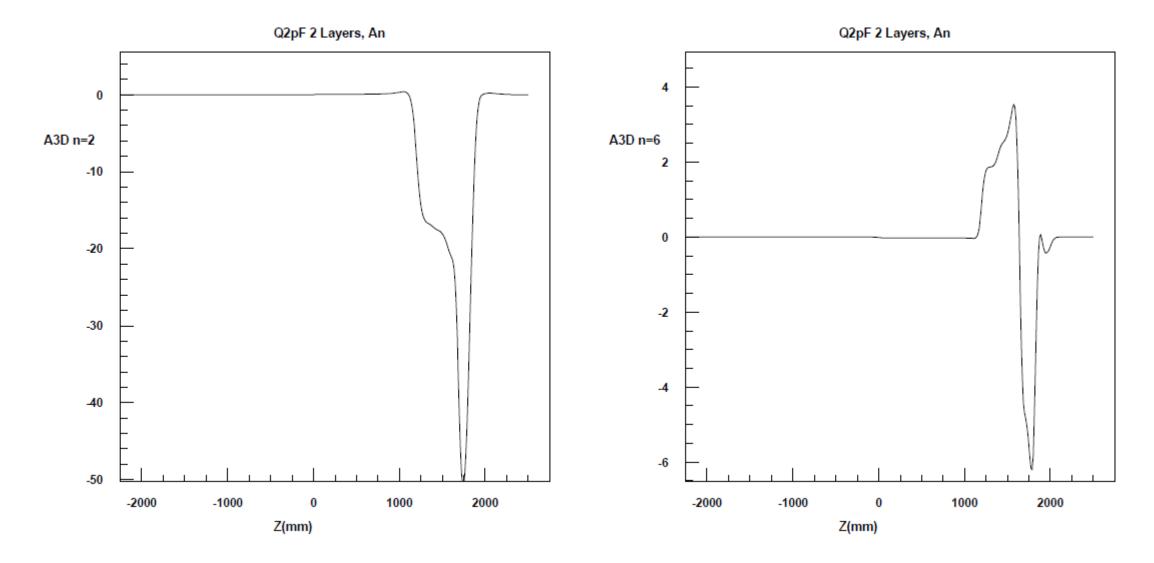
## Harmonics b6 and b10 (yet to be optimized in LE)





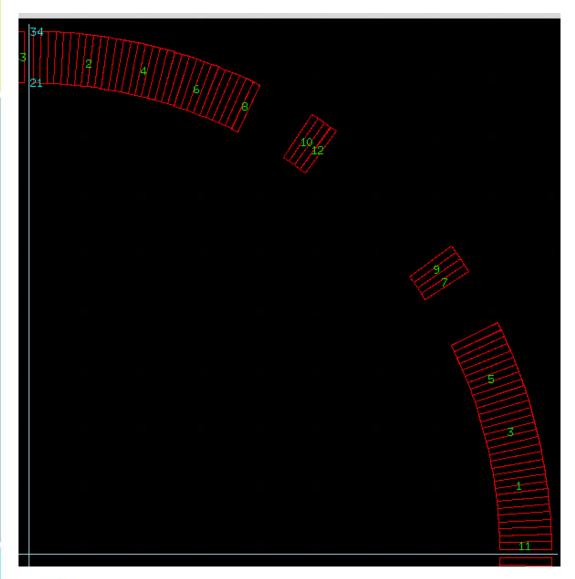


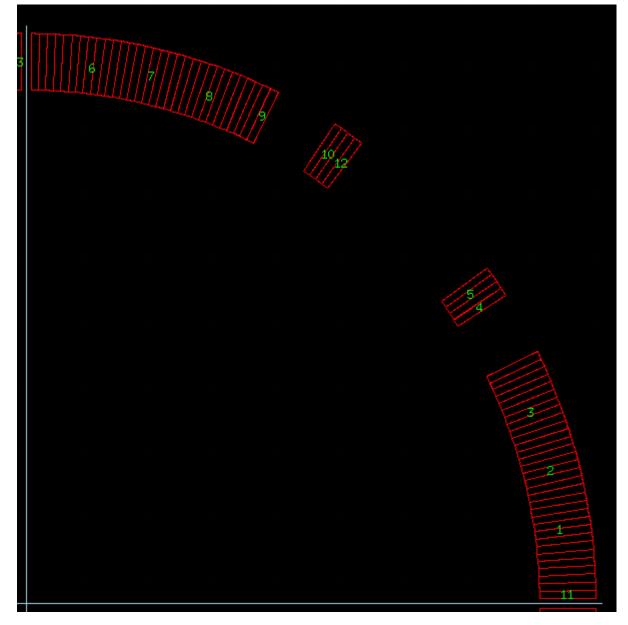
## Harmonics a2 and a6 (from leads and asymmetry)





#### Numbering scheme for inner layer





#### Numbering scheme for outer layer

