

May 1

Wednesday, May 01, 2013  
4:09 PM

## \* Libertad: Field Calculations

- + 46 cm from SMPol center @ Lead Wall.
- + 20 cm  $\phi$  neutron path
- 18 coils, 3 coplanar + 3 variable space + 12 equispaced.
- 35 cm rad, 224 cm long.
- 23 cm  $\phi$  smallest coil.
- 14 cm
- $$10 G \cdot 14 cm \cdot \frac{A}{4\pi G mm} = 11 A$$

## \* Michael:

- + 1 ground wire for each frame - run to pin
- + Kapton connector w/ PEEK connectors
- LESKER conflats & PEEK, up to 500V
- PEEK connector on end of ribbon cable
- 4 feed throughs + ribbon cable.
- + HV: SHV feed throughs & ceramic beads.
- + 153 channels 128 - 32/box
- well-defined active region.
- 144 = 9 x 16 8 HV 9 signal.
- + circuit board material:
- Duroid PTFE w/ ceramic.
- + received all wire frames

