

- Thank you for participating today!
- Availability on when2meet suggests:
 - Start with IB and HD,
 - Transition ~mid-way to OB and ED, HD,
 - Keep meeting today to 1h (or less),
- Excellent design progress on IB, OB, and ED, HD over the past months,
- Initial look at their integration shows interferences,
 - Confirm (or refute) the findings,
 - Discuss how to best work our way out of interferences,
 - Ideally, better develop our design envelopes.

SVT - for reference

- **Inner Barrel (IB)**

- Three layers, L0, L1, L2,
- Radii of 36, 41, 120 mm
- Length of 27 cm
- $X/X_0 \sim 0.05\%$ per layer
- Curved, thinned, wafer-scale sensor

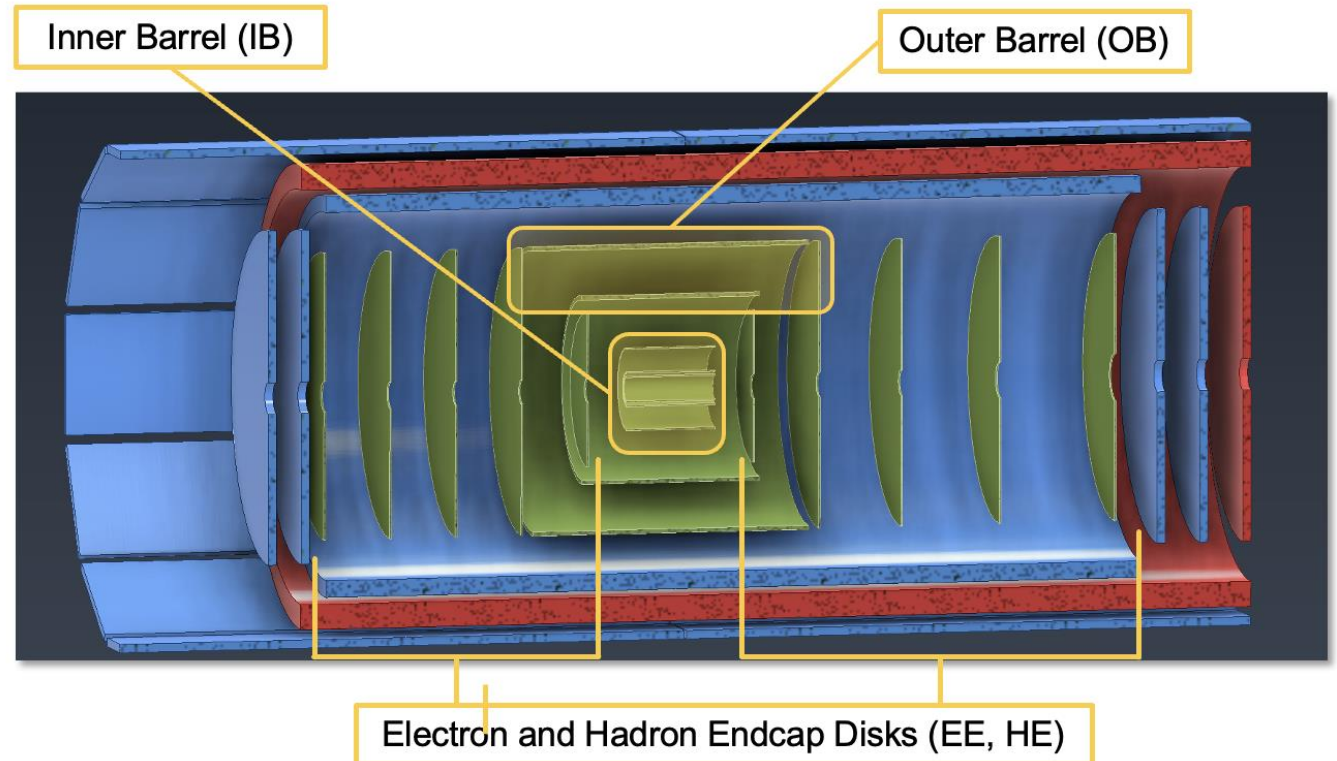
- **Outer Barrel (OB)**

- Two layers, L3, L4
- Radii of 27 and 42 cm
- $X/X_0 \sim 0.25\%$ and $\sim 0.55\%$
- More conventional structure w. staves

- **Electron/Hadron Endcaps (EE, HE)**

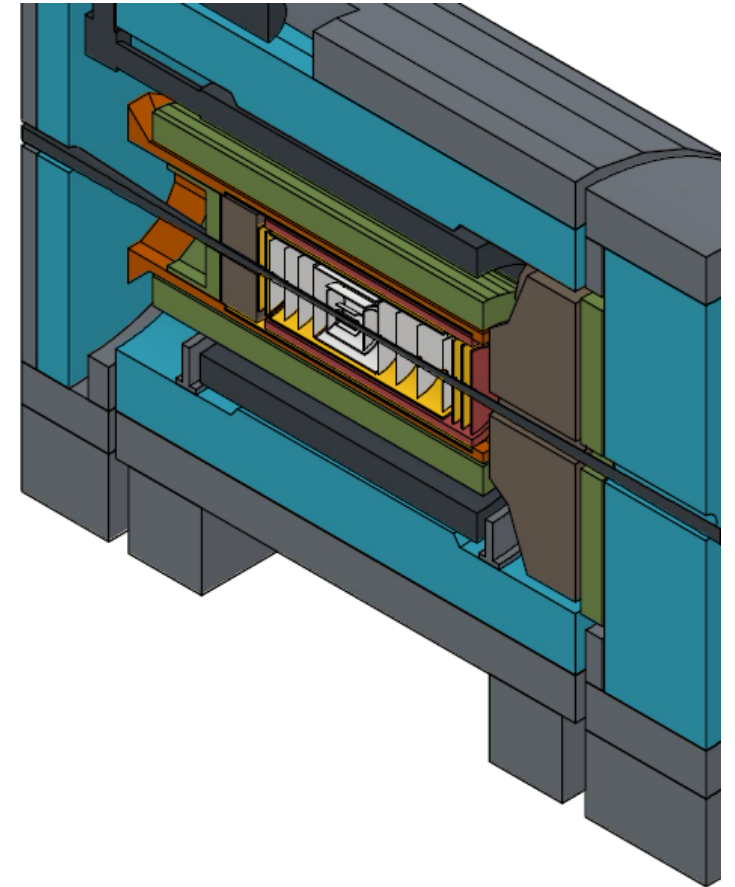
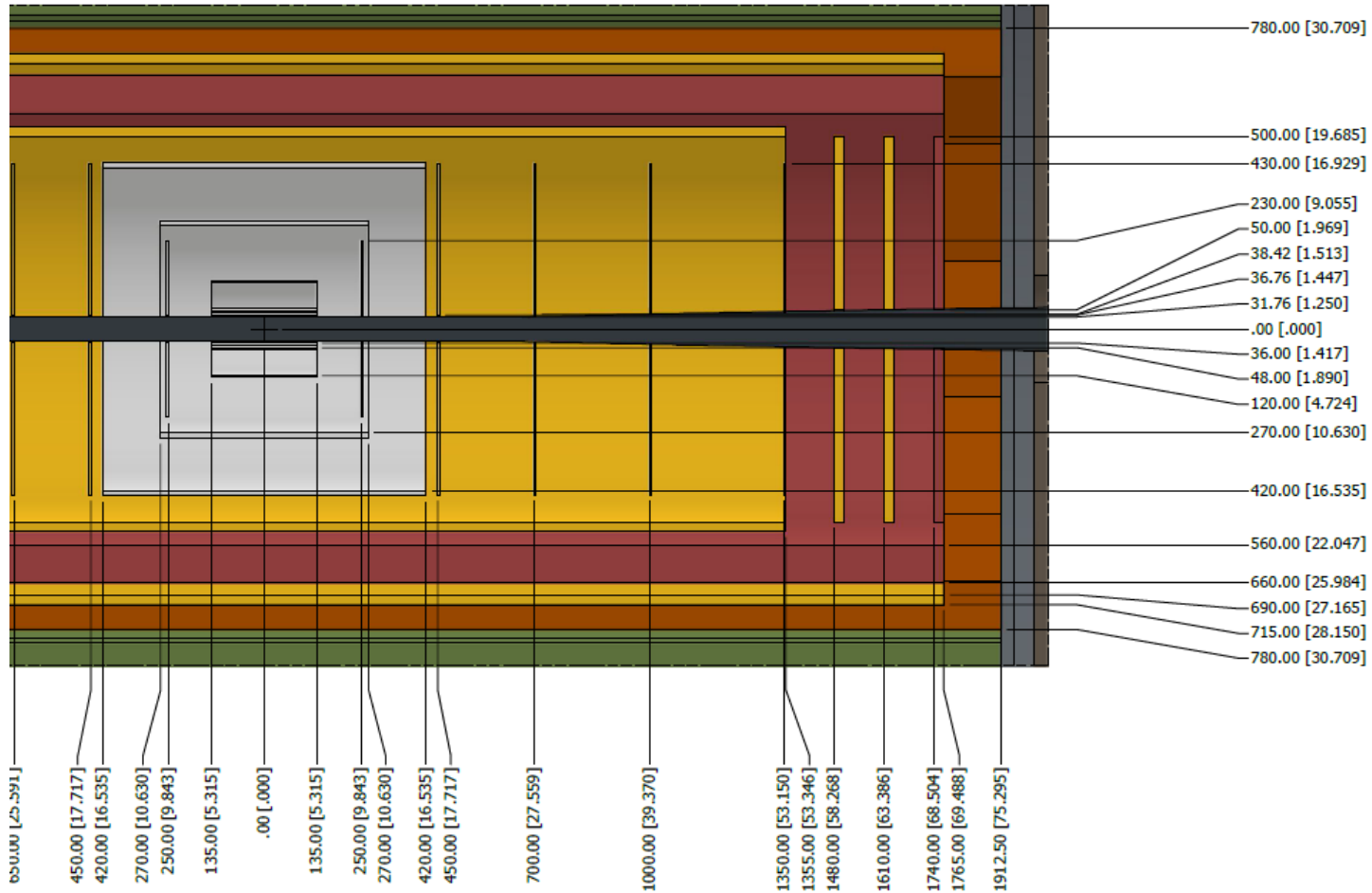
- Two arrays with five disks
- $X/X_0 \sim 0.25\%$ per disk
- More conventional structure

- **Lengths for L2—L4 increase so as to project back to $z = 0$; disk radii adjust accordingly**



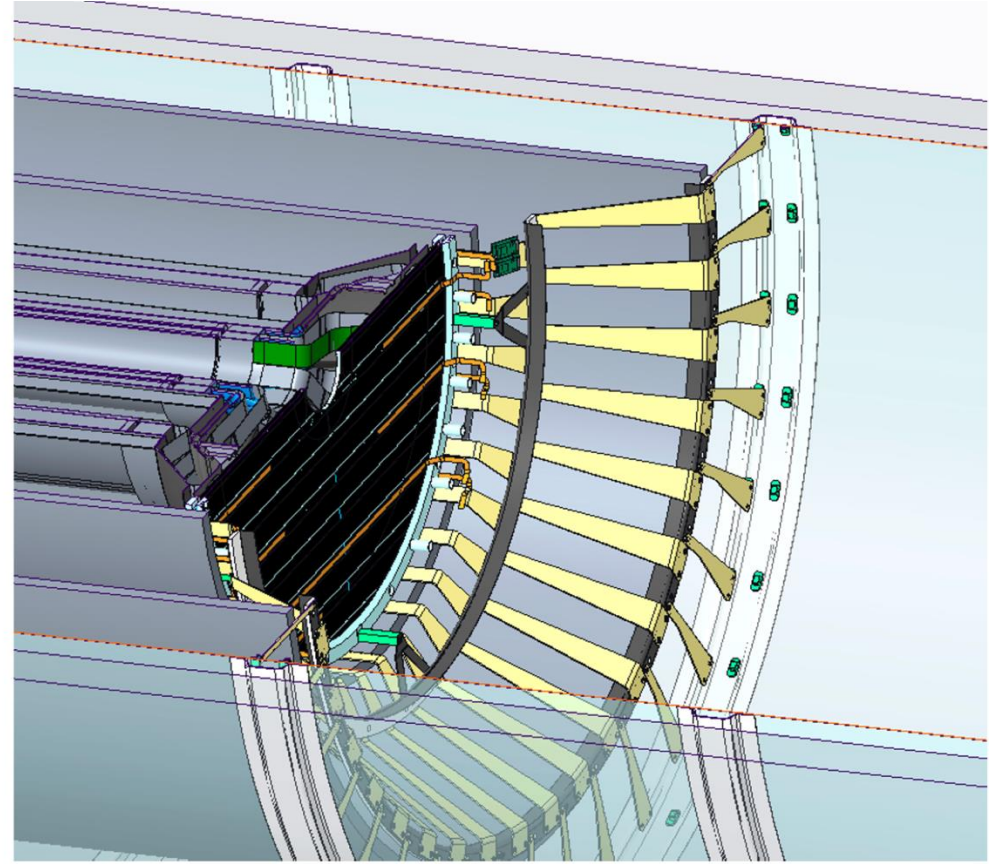
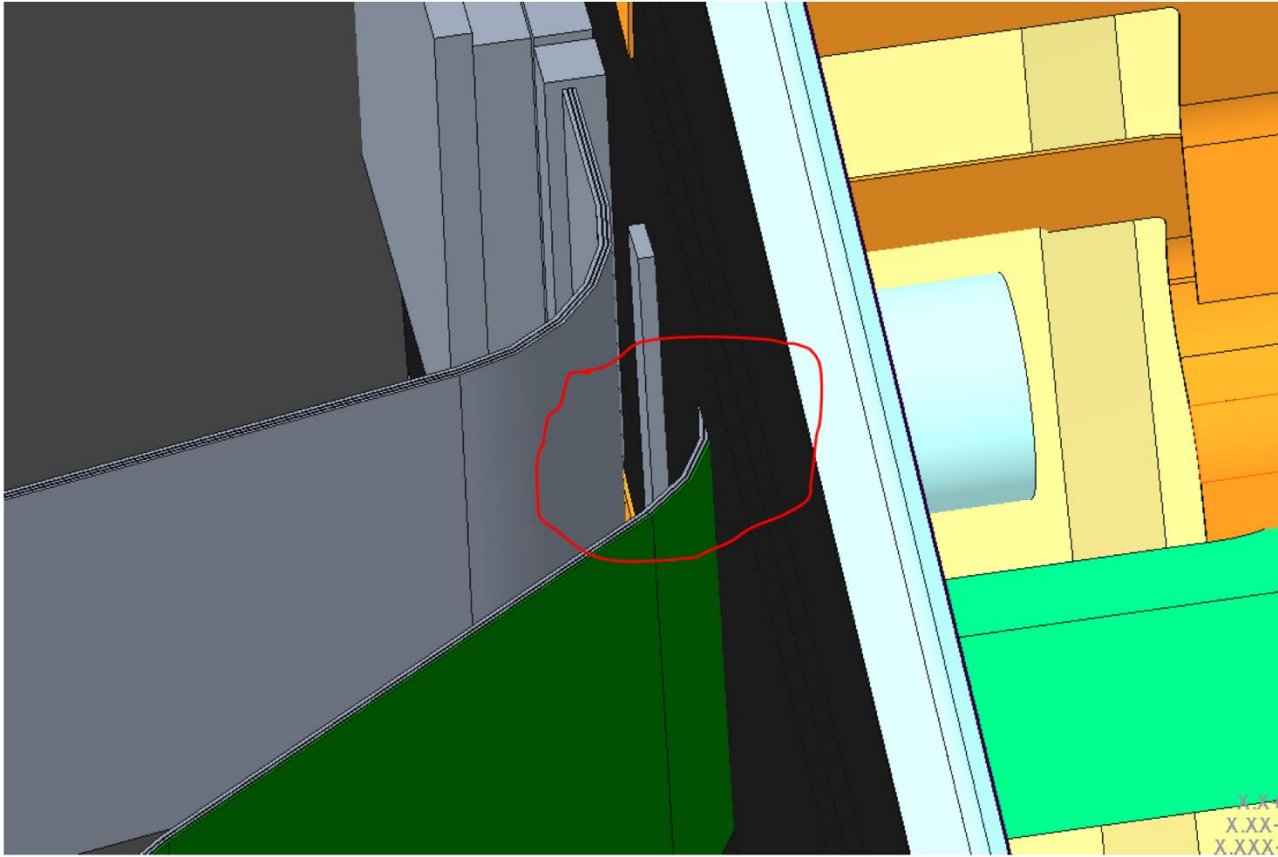
Note that current knowledge of sensor dimensions leads to minor updates in radii and lengths.

SVT in ePIC - for reference



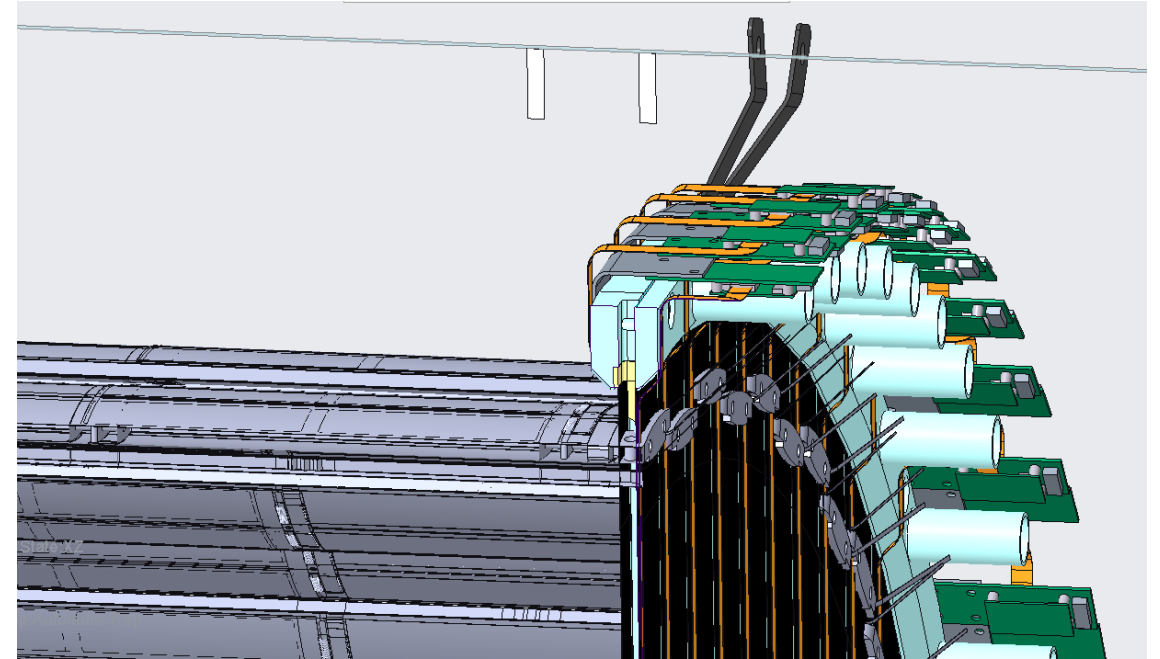
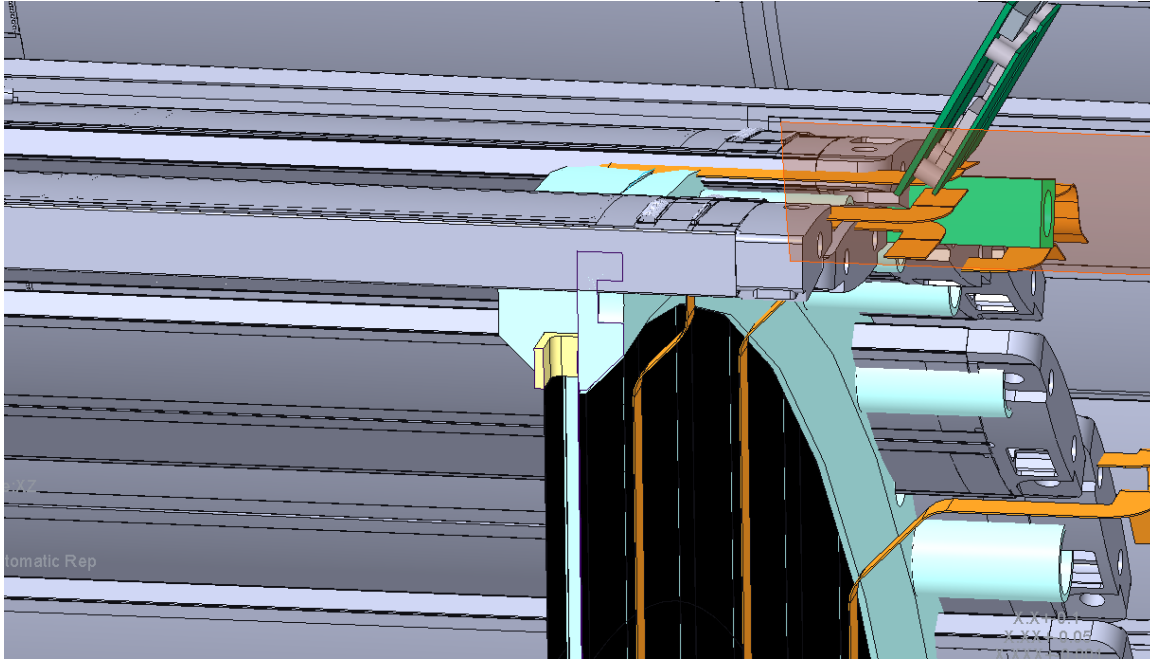
DRAW
D. C
CHECK
QA

IB, HD – interference



Courtesy Jim Curtis – uses IB .stp (up-to-date?, etc.)

OB, ED/HD – interferences



Courtesy Jim Curtis – uses OB .stp (up-to-date?, etc.)