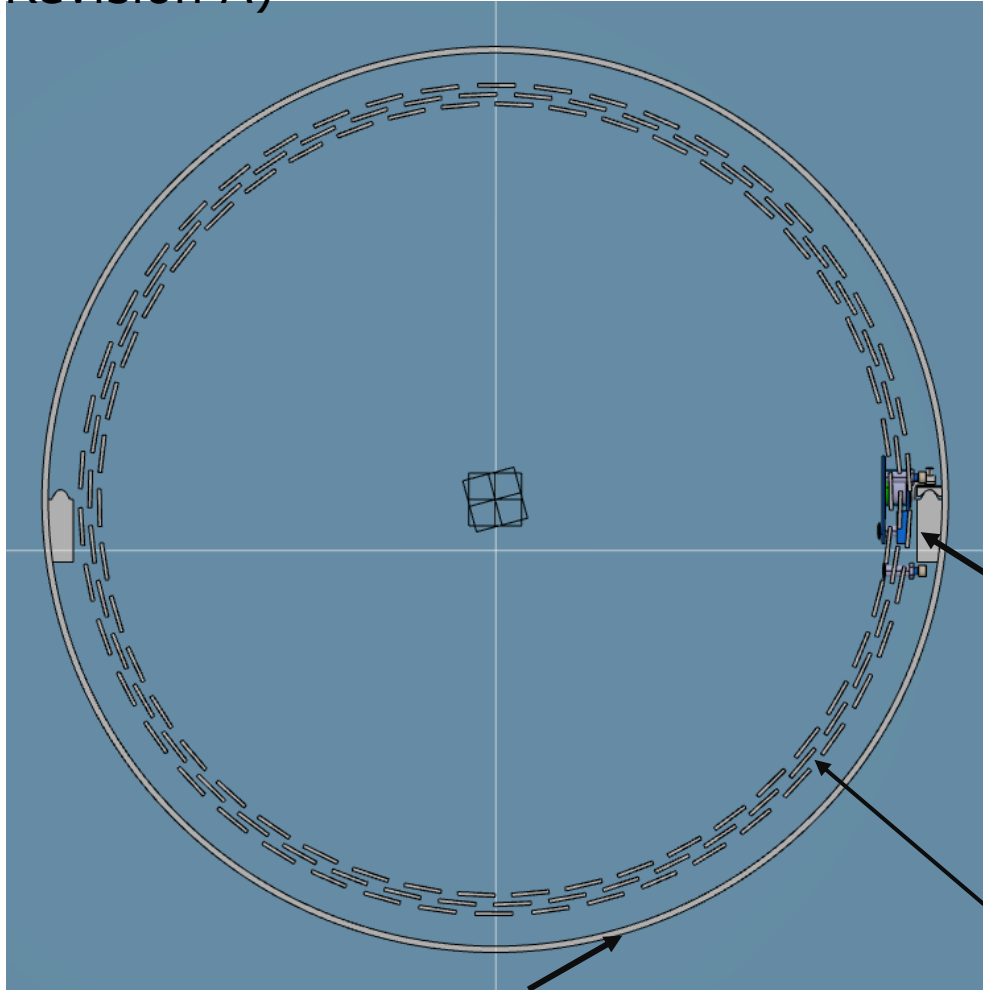


bTOF update

13.07.2026

Stave Stacking Scheme Details

3DX file name: AMT_TOF Assembly_23_June_2026
(Revision A)



- ⬠ 46 staves in each row → 138 total staves
- ⬠ Staves are placed tangentially with contact to the pitch circle at the bottom midpoint.
- ⬠ Pitch circle diameters for the rows are:
 - ⬠ Row 1: D1260
 - ⬠ Row 2: D1290
 - ⬠ Row 3: D1320

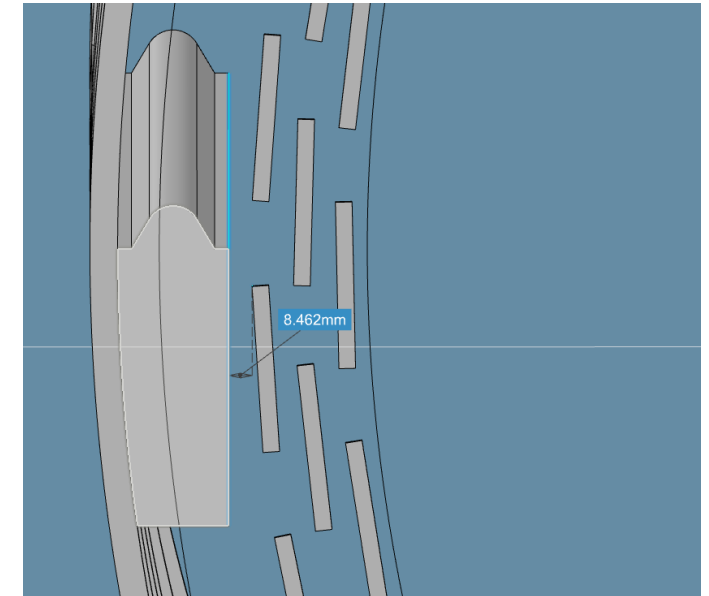
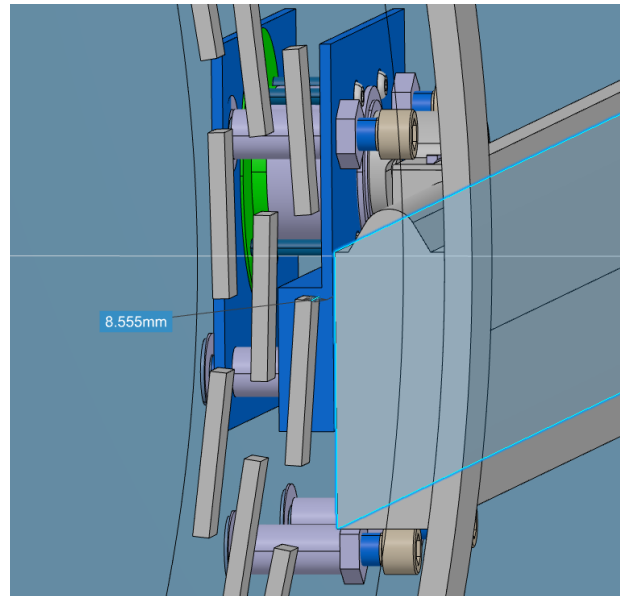
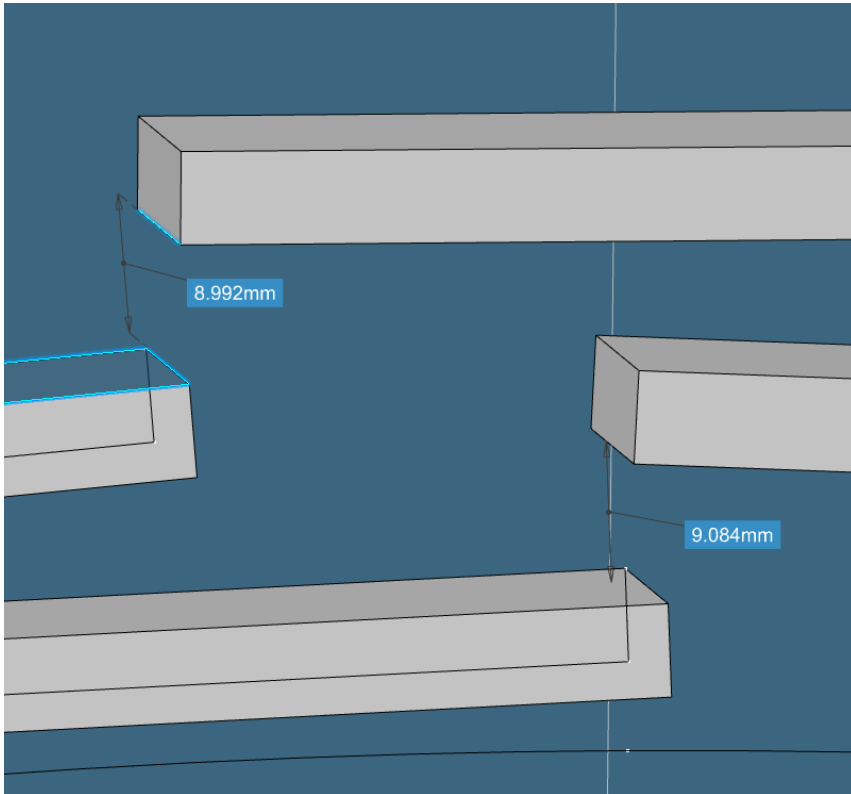
GST Support Rails

3 layers of staves

Global Support Tube
(GST)

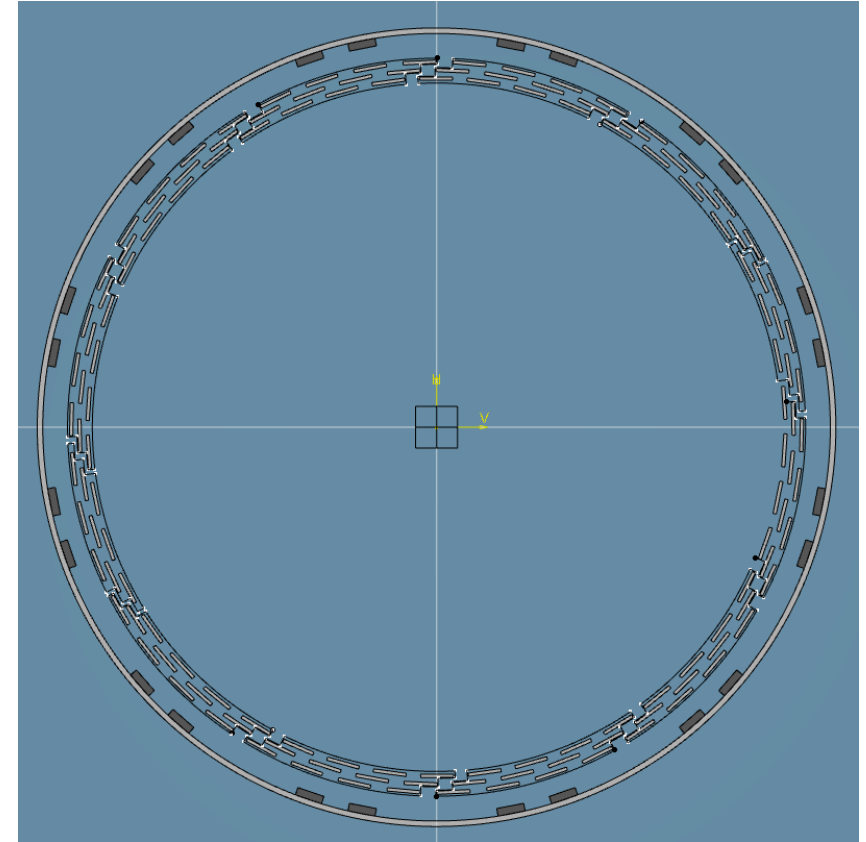
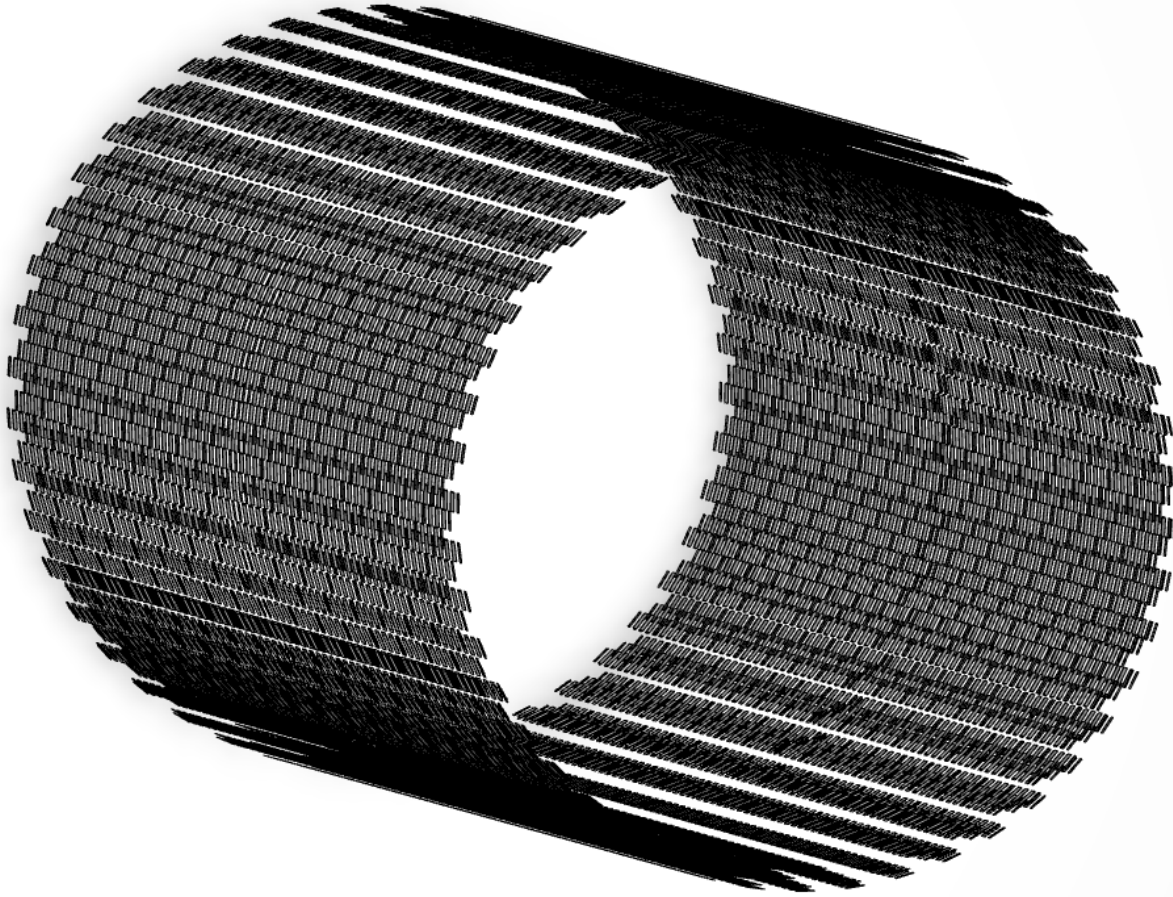
Clearances

- Approximately 9mm clearance between the closest features of staves in different rows



- Approximately 8.5mm clearance between the rails and outer layer staves at the closest features

Silicon Sensor Coverage Image



Sectioning into 12 drawers as per previous designs. Drawers are being finalized this week.

GST updates

1. Next set of FE simulations running – we are trying to minimize the deflection of the GST for the HP DIRC drawers
2. Installation and measurement of the deflections are also critical while installing the EEEMCal
3. Did not finish compiling the slides for GST – latest FE runs