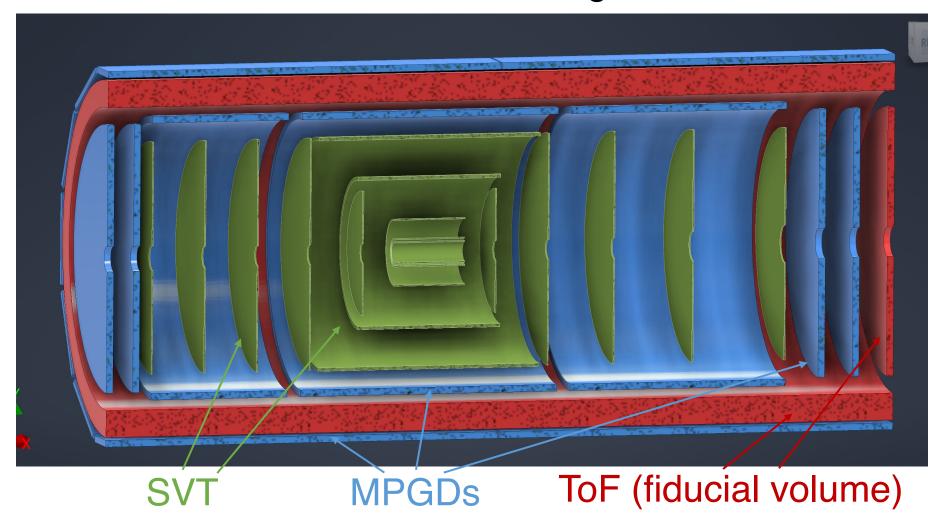
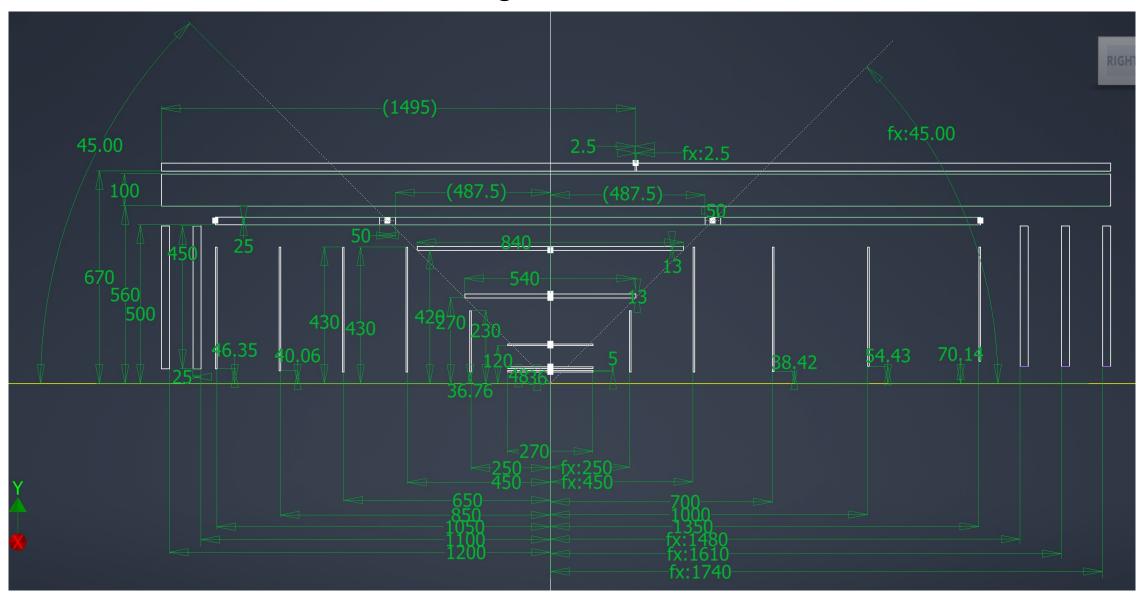
## Outer Tracking Configuration

### **Outer Tracker Configuration**



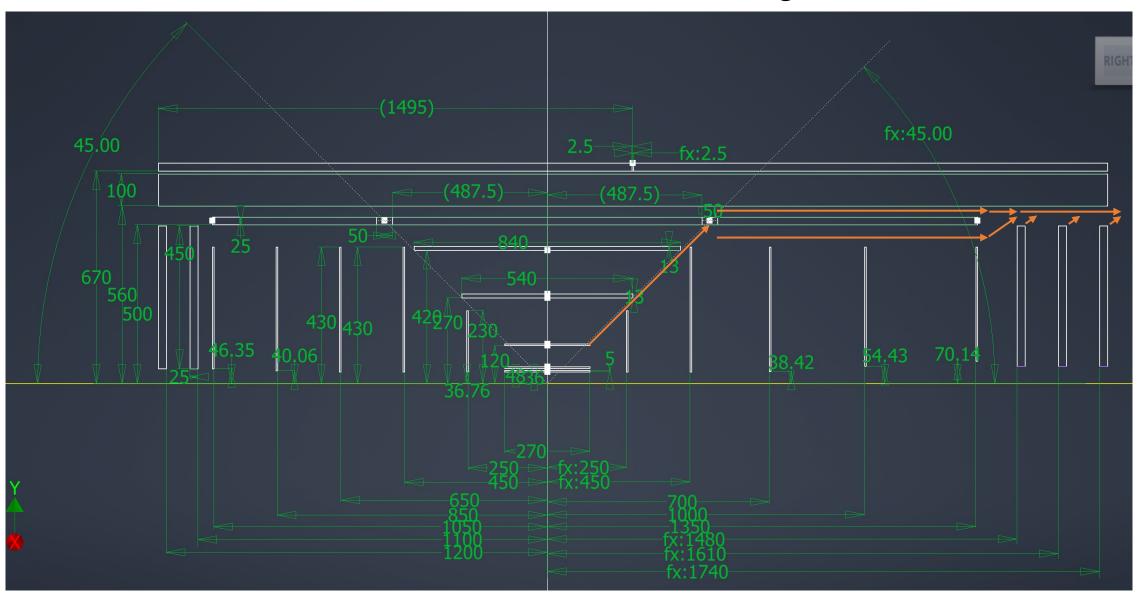
- MPGD split inner barrel, outer barrel, and fwd/bwd disks pattern recognition, time anchoring, aid tracking into PID,
- SVT unchanged, except for the two outermost disks in the electron direction that are moved slightly inwards,
- ToF unchanged.

### Outer Tracker Configuration – Nominal Dimensions



Note: MPGD outer barrel may need to extend to smaller (more negative) z to better cover the DIRC.

### Tracker – Service routing

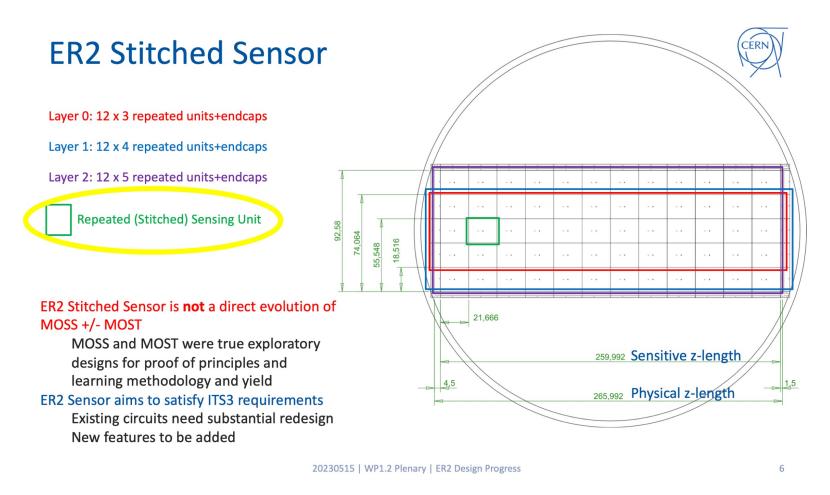


Note: shown for the hadron side only.

- Next steps:
  - Finalize envelopes of pfRICH and backward tracker ongoing,
  - Finalize length of the outer MPGD barrel ongoing,
  - Service estimates for MPGDs DSC,
  - Geometry implementation in simulations ongoing for MPGD,
  - Material map(s) ,
  - ACTS ,
  - Tests ,
- Target: readiness for code-freeze first Monday in July and July simulation campaign.
- Goal: demonstrate viability of the ePIC tracking configuration for CD-3A.

# SVT update

#### ITS3 – Sensor Dimensions



https://indico.cern.ch/event/1280150/

- Note: these dimensions are somewhat different from the 18.85 by 30.00 mm RSU size used so far in simulations and layouts.
- Target: propagate the side-effects into the July simulation campaign, ideally including dead areas and layout onto disks.