TOF Parameters Overview: Tags 22.10-22.11

TOF Barrel

- `epic/compact/tracking/tof_barrel.xml`
- $R = 64.6\text{cm},\ L = 2 * 120\text{cm},\ \sim 1\%X/X_0$
- Resolution $30 \times 300\mu\text{m}$ ($0.1 \times 1\text{cm}$ strips)
- Will enter track reconstruction

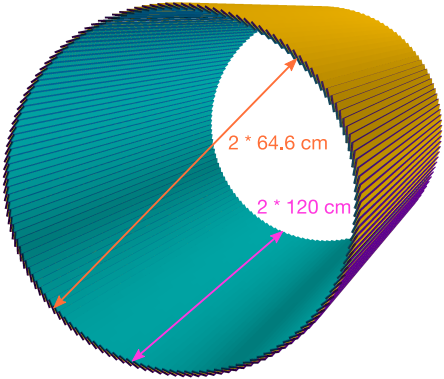
TOF Endcap

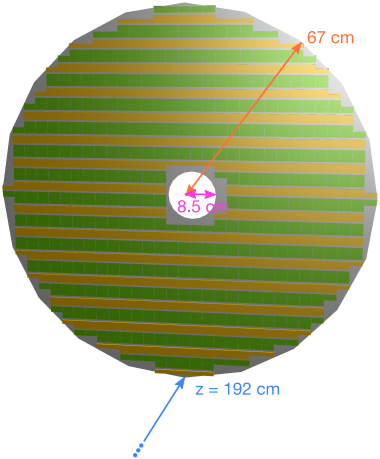
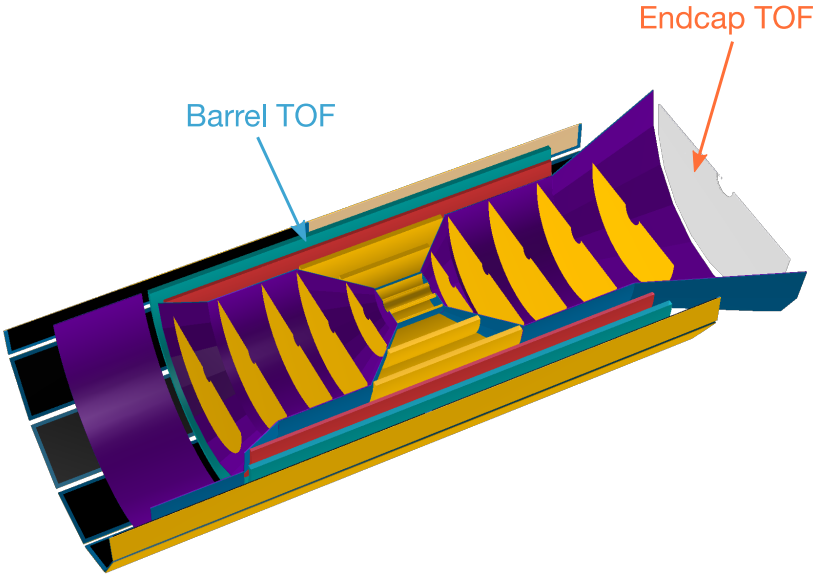
- `epic/compact/tracking/tof_barrel.xml`
- $Z = 192\text{cm},\ R = 8.5 - 67\text{cm},\ x_{\text{offset}} = -2.75\text{cm},\ \sim 7\%X/X_0$
- Resolution $30 \times 30\mu\text{m}$ ($100 \times 100\mu\text{m}$ pixels)
- Will enter track reconstruction

All values in agreement with current design and detector geometry table

Barrel and endcap TOF included in Arches and Bryce Canyon

TOF Layout





Arches Tracking Setup (22.10)