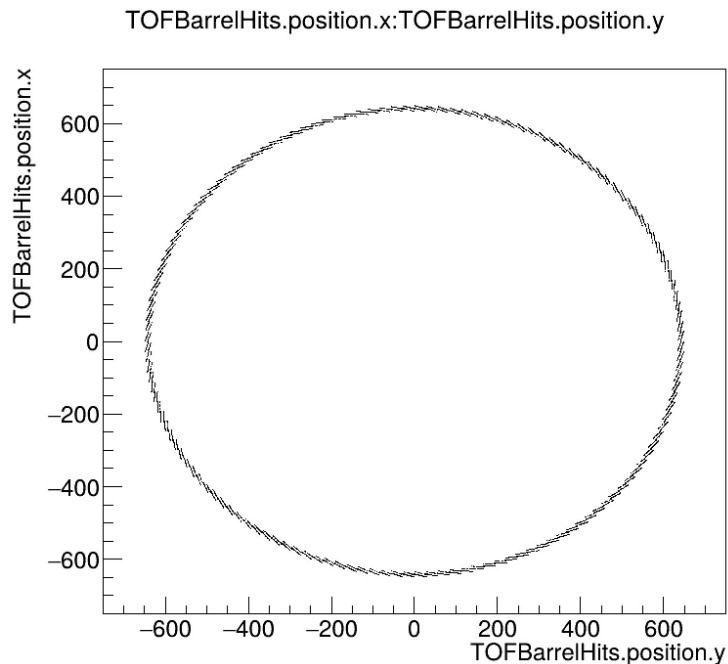
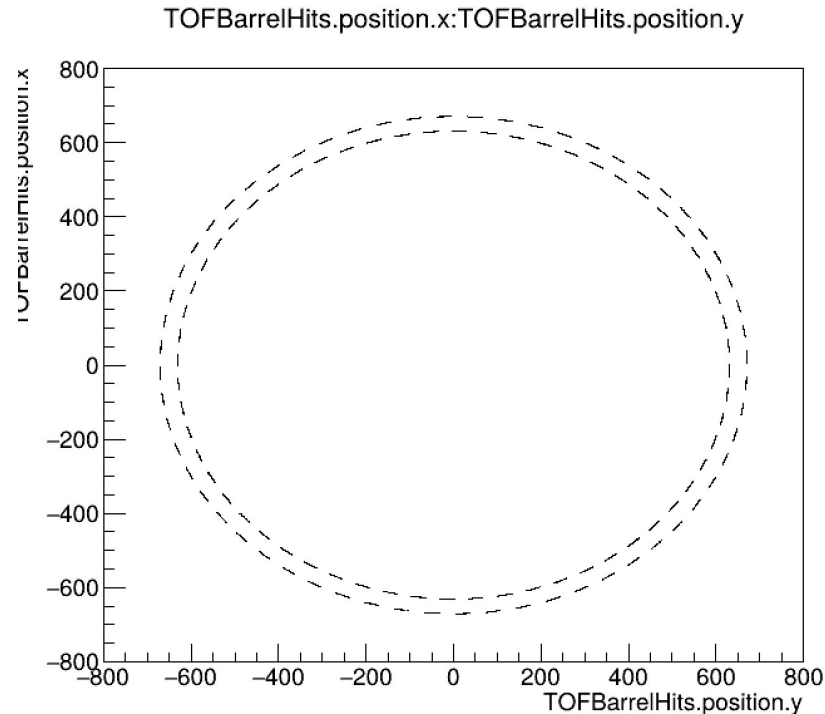


Previous version



Mean acceptance ~ 0.99

New geometry



Mean acceptance ~ 0.90

Acceptance of different layout of bTOF

- epic_craterlake.xml + dummy layer before bTOF
- Windmill layout vs 2-layer bTOF
- Single pion events: $|\eta| \leq 0.15$, p in $[0.2, 0.3 \dots 2]$ GeV/c

$$\text{Acc} = \text{hit}_{\text{bTOF}} / \text{hit}_{\text{Dummy}}$$

- ~0.99 for windmill layout
- ~0.97 for 2-layer bTOF with straight tracks

◆ Tracks with certain curvature will go through the gap of the two layers -> Reduced acc
(0.65@0.3GeV/c)

- New 2-layer design?
- 3-layer bTOF to be tested

