

# FTOF PID performance

## TOF Material Budget Study

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- Setup: default setup
- $\Delta\theta = \theta^{\text{dRICH}} - \theta^{\text{ref}}$
- $\theta^{\text{dRICH}}$ :  $\theta$  Reconstructed from the dRICH.
- $\theta^{\text{ref}} = \arctan\left(\frac{\sqrt{p_x^2 + p_y^2}}{p_z}\right)$  from a dummy surface placed between ECTOF and dRICH upstream.

