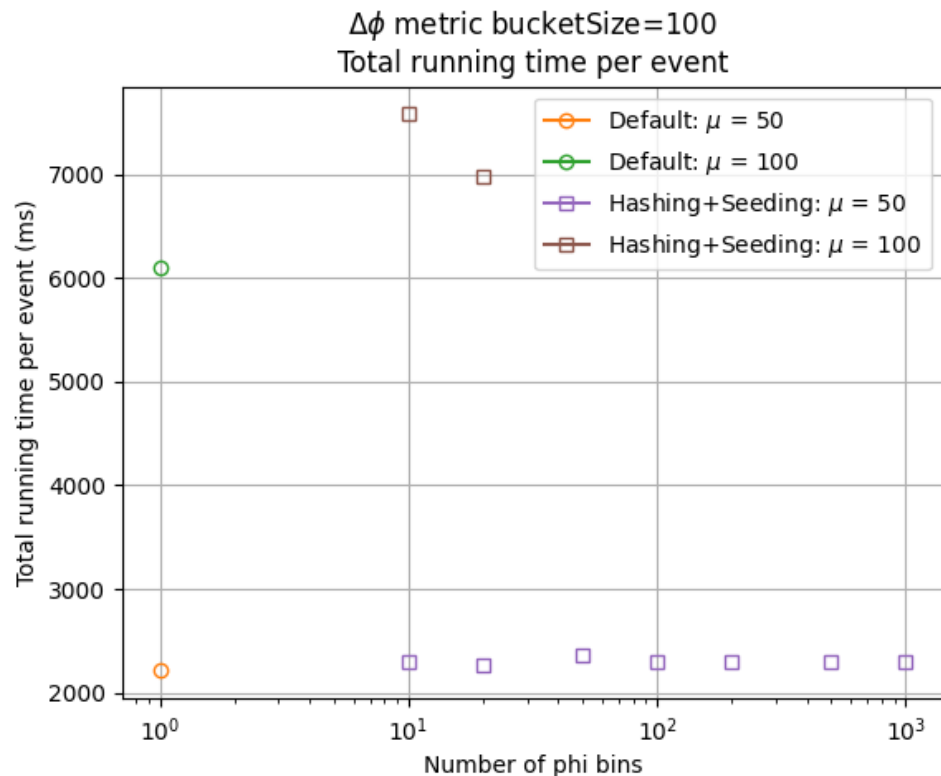
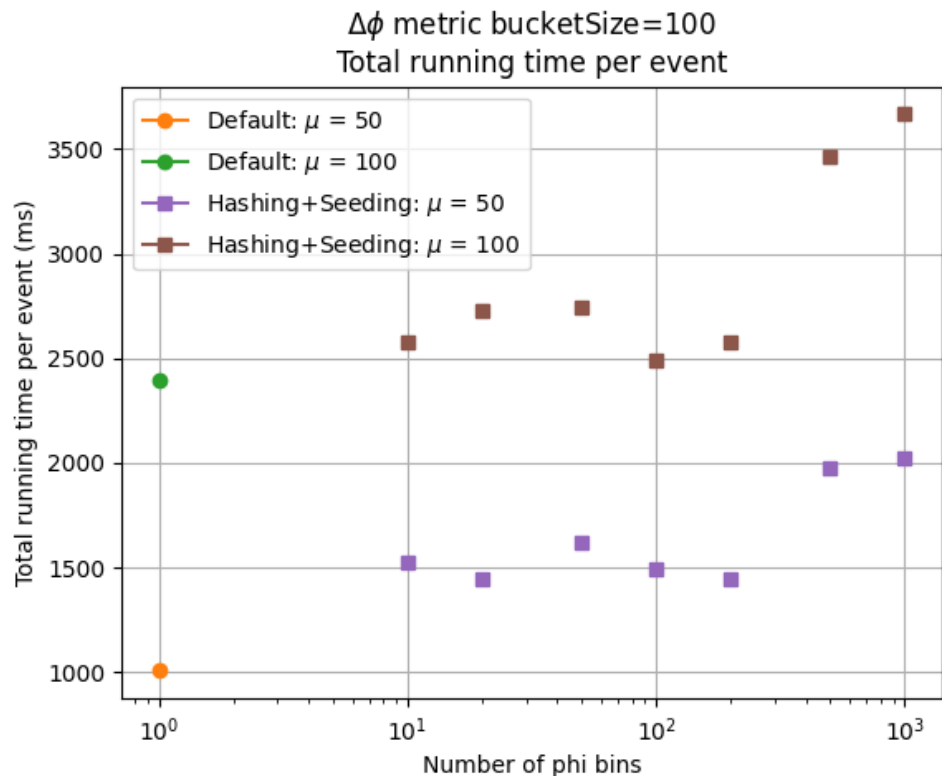


Tracking with Hashing

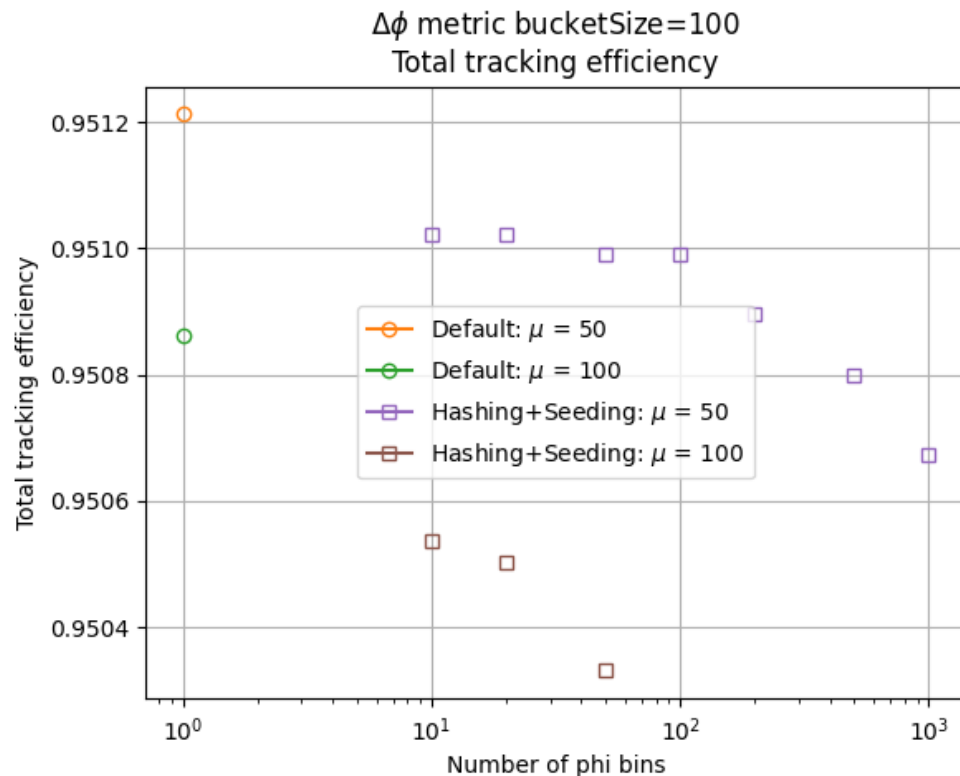
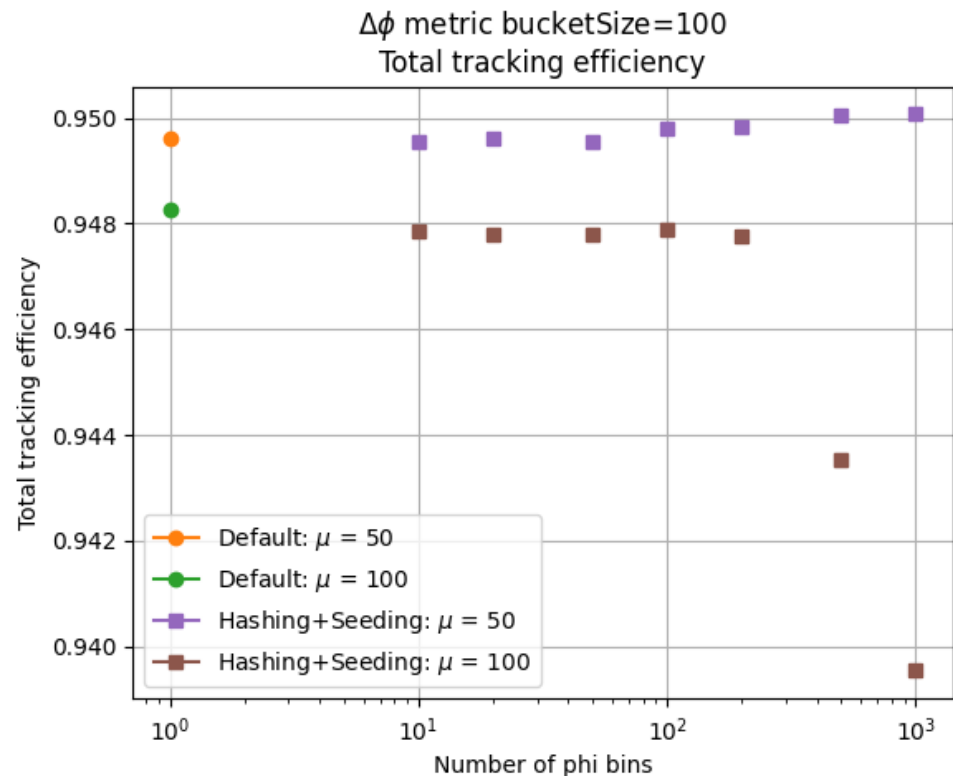
Current state

Jeremy Couthures

Phi bins (no cut): Timing

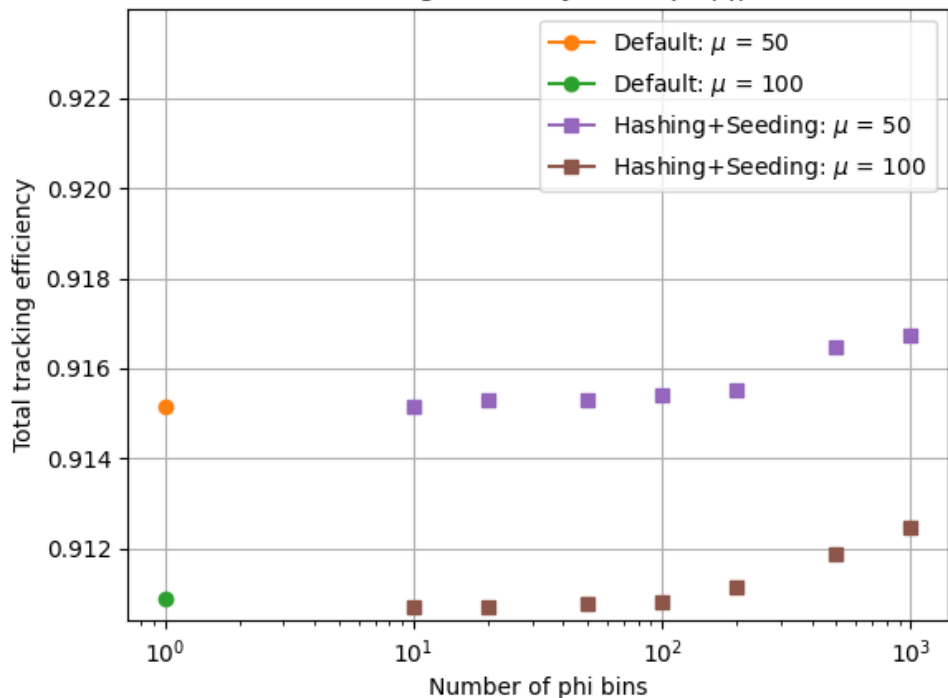


Phi bins (no cut): Tracking efficiency

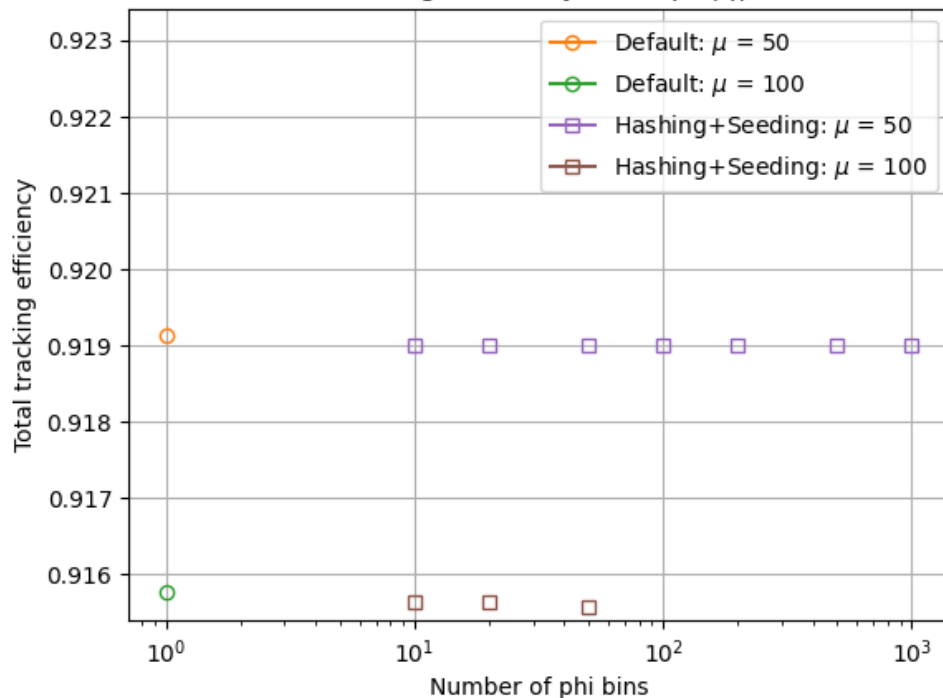


Phi bins (no cut): Tracking efficiency

$\Delta\phi$ metric bucketSize=100
Total tracking efficiency endcaps $|\eta| > 2.5$

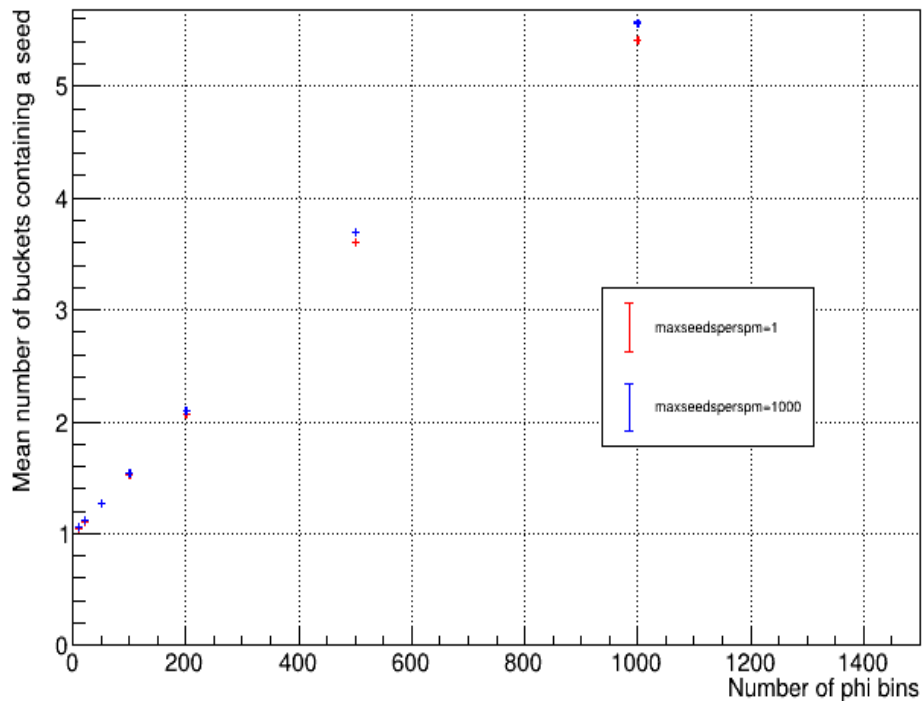


$\Delta\phi$ metric bucketSize=100
Total tracking efficiency endcaps $|\eta| > 2.5$

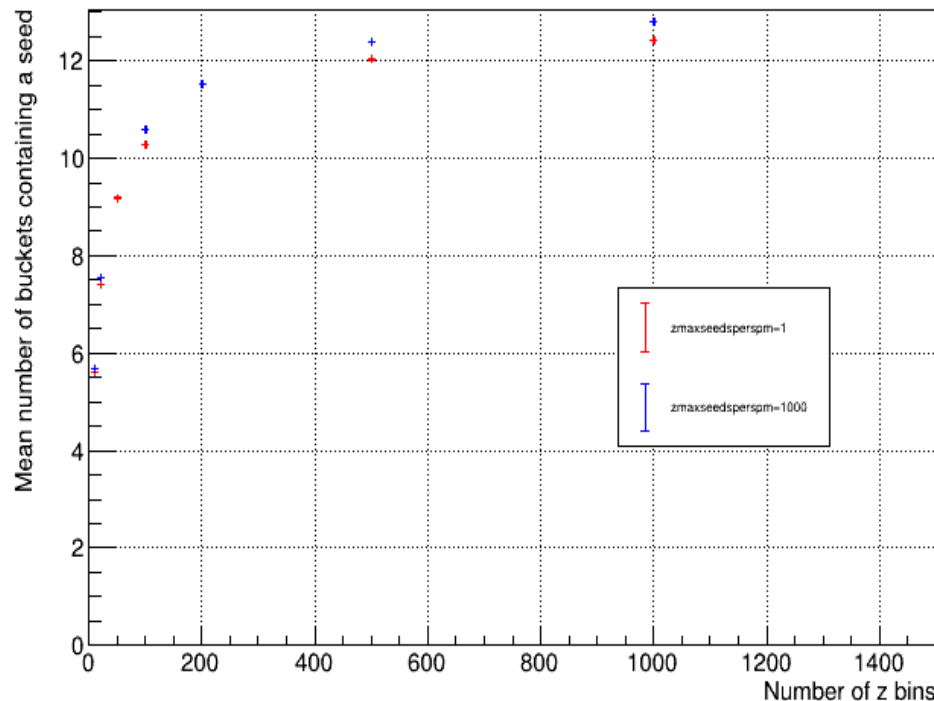


Phi bins: overlap in buckets

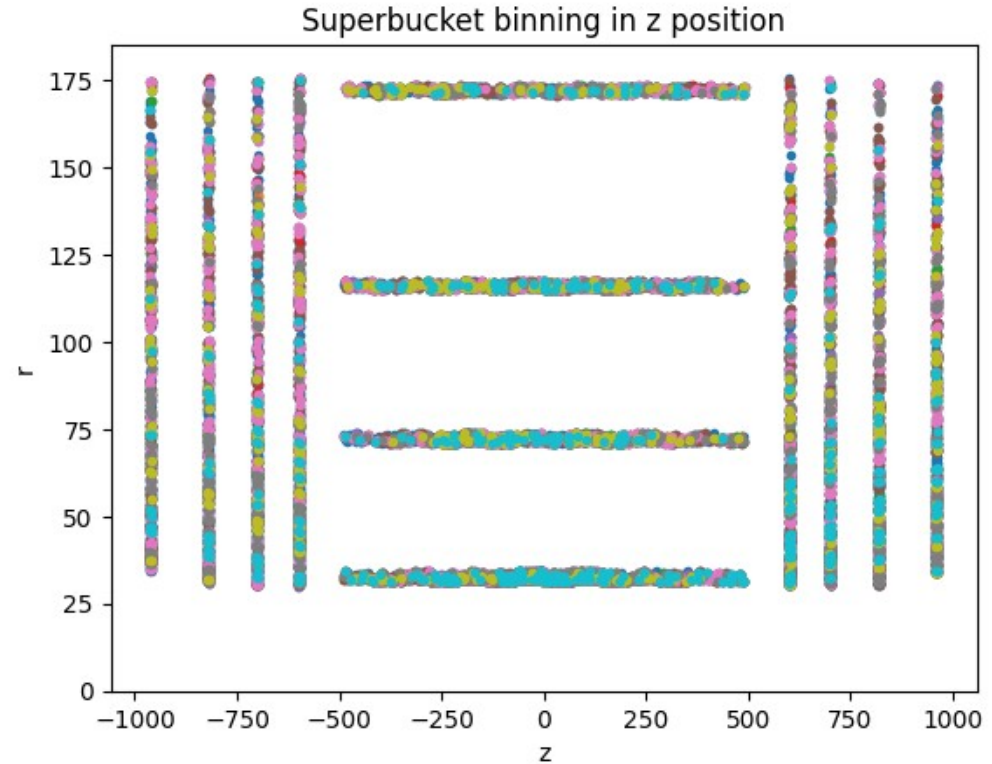
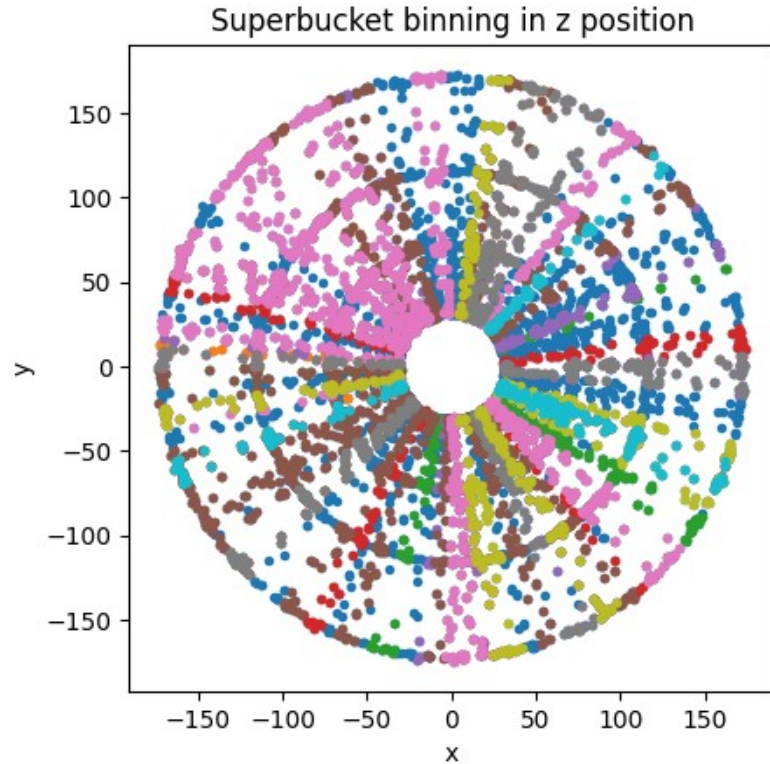
Overlap in buckets $\langle \mu \rangle = 50$ $\Delta\phi$ metric



Overlap in buckets $\langle \mu \rangle = 50$ $\Delta\phi$ metric



Superbucket binning in Z position



Superbucket binning in Phi position

