

14 TeV

Tracking duplicate rate

**CMS***Simulation preliminary* $t\bar{t}$  events ( $\langle\text{PU}\rangle=65$ ) $p_{\text{T}} > 0.9$  GeV

● Run3, DNN

▲ Run3, BDT

 $10^{-2}$  $10^{-1}$ 

1

10

Track PCA radius (cm)

0

0.25

0.2

0.15

0.1

0.05