

14 TeV

Tracking duplicate rate

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

● Run3, DNN

▲ Run3, BDT

30

40

50

60

70

80

90

100

110

Event pileup

