

Tracking efficiency

CMS *Simulation Preliminary*

$\sqrt{s} = 14$ TeV PU200 $t\bar{t}$

$p_T > 0.9$ GeV, $|\eta| < 4.5$, $|z_{\text{vertex}}| < 30$ cm

—●— pre-DNN

—▲— DNN

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

10^{-2}

10^{-1}

1

10

10^2

Simulated track r_{vertex} [cm]

