

Tracking efficiency

CMS *Simulation Preliminary*

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

$p_T > 0.9$ GeV, $|z_{\text{vertex}}| < 30$ cm, $r_{\text{vertex}} < 2.5$ cm

—●— pre-DNN

—▲— DNN

1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

0.5
1
1.5
2
2.5
3
3.5
4
4.5

Simulated track η

