

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

-4

-3

-2

-1

0

1

2

3

4

Simulated track η

