

$137 \text{ fb}^{-1}$  (13 TeV)

**CMS**

*in Progress simulation*

1.4

1.2

1

0.8

0.6

0.4

0.2

0

A 3D histogram representing particle distribution. The vertical axis ranges from 0 to 1.4. The horizontal axis (bottom) shows pseudorapidity  $\eta$  bins: 50, 45, 40, 35, 30, 25, 20, 15, 10, 5. The depth axis (right) shows transverse momentum  $p_T$  bins: 10000, 5000, 1000, 500, 100, 50. The distribution shows a peak at  $\eta = 0$  and  $p_T \approx 1000$ , with a long tail extending towards higher  $p_T$  and larger  $\eta$ .

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**CMS**

*in Progress simulation*

1.4

1.2

1

0.8

0.6

0.4

0.2

0

50

45

40

35

30

25

20

15

10

5

5000

10000

5000

10000

5000

10000

5000

10000

5000

10000

A 3D histogram representing particle distribution. The vertical axis ranges from 0 to 1.4. The horizontal axis (bottom) shows pseudorapidity  $\eta$  bins: 50, 45, 40, 35, 30, 25, 20, 15, 10, 5. The depth axis (right) shows transverse momentum  $p_T$  bins: 10000, 5000, 1000, 500, 100, 50. The distribution is very similar to the left plot, showing a peak at  $\eta = 0$  and  $p_T \approx 1000$ , with a long tail extending towards higher  $p_T$  and larger  $\eta$ .