

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

**CMS**

$\times 10^3$

in progress simulation

400

300

200

100

0

50

45

40

35

30

25

20

15

10

5

2000

4000

A 3D histogram plot showing particle distribution in pseudorapidity ( $\eta$ ) and transverse momentum ( $p_T$ ). The vertical axis represents the yield, scaled by  $\times 10^3$ . The horizontal axes are  $\eta$  (ranging from 0 to 5) and  $p_T$  (ranging from 0 to 4000 GeV). The plot shows a broad peak around  $\eta \approx 2.5$  and  $p_T \approx 2000$  GeV.