

pPb 173.4 nb⁻¹ $\sqrt{s_{NN}} = 8.16$ TeV $W^- \rightarrow \mu^- + \bar{\nu}_\mu$ **CMS***Preliminary* $p_T^\mu > 25$ GeV/c $-2.60 \leq \eta_{CM}^\mu < -2.40$

Events / (2 GeV/c)

10³10²

10

 $\frac{\text{Data}}{\text{Fit}}$

0

1

2

4

0

20

40

60

80

100

120

140

160

 p_T^{miss} (GeV/c)

• Data

■ W

■ QCD

■ Z/ γ^* ■ W $\rightarrow\tau$ ■ Z/ $\gamma^*\rightarrow\tau$ ■ $t\bar{t}$ $\chi^2/\text{ndof} = 45 / 36$