

pPb 173.4 nb⁻¹ $\sqrt{s_{NN}} = 8.16$ TeV $W^- \rightarrow \mu^- + \bar{\nu}_\mu$ $p_T^\mu > 25$ GeV/c $-1.60 \leq \eta_{CM}^\mu < -1.40$ **CMS***Preliminary*

Events / (2 GeV/c)

10³10²

10

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

4

2

1

0

• Data

■ W

■ QCD

■ Z/ γ^* ■ W $\rightarrow\tau$ ■ Z/ $\gamma^*\rightarrow\tau$ ■ t \bar{t} p_T^{miss} (GeV/c) $\chi^2/\text{ndof} = 43 / 40$ 