

pPb 173.4 nb⁻¹ $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$ $W^- \rightarrow \mu^- + \bar{\nu}_\mu$ **CMS***Preliminary* $p_{\text{T}}^\mu > 25 \text{ GeV/c}$ $-2.86 \leq \eta_{\text{CM}}^\mu < -2.60$ 10^3 10^2 10

Events / (2 GeV/c)

• Data

■ W

■ QCD

■ Z/ γ^* ■ $W \rightarrow \tau$ ■ $Z/\gamma^* \rightarrow \tau$ ■ $t\bar{t}$ $\frac{\text{Data}}{\text{Fit}}$

4

2

1

0

0

20

40

60

 $p_{\text{T}}^{\text{miss}} \text{ (GeV/c)}$ $\chi^2/\text{ndof} = 48 / 38$