

pPb 173.4 nb⁻¹ $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$ $W^+ \rightarrow \mu^+ + \nu_\mu$ **CMS***Preliminary* $p_{\text{T}}^\mu > 25 \text{ GeV/c}$ $-2.40 \leq \eta_{\text{CM}}^\mu < -2.20$

• Data
■ W
■ QCD
■ Z/ γ^*
■ $W \rightarrow \tau$
■ $Z/\gamma^* \rightarrow \tau$
■ $t\bar{t}$

Events / (2 GeV/c)

10³10²

10

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

4

2

1

0

0

20

40

60

 $p_{\text{T}}^{\text{miss}} \text{ (GeV/c)}$

80

100

120

140

 $\chi^2/\text{ndof} = 34 / 38$ 