

pPb 173.4 nb<sup>-1</sup> $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$  $W^- \rightarrow \mu^- + \bar{\nu}_\mu$ **CMS***Preliminary* $p_{\text{T}}^\mu > 25 \text{ GeV/c}$  $0.20 \leq \eta_{\text{CM}}^\mu < 0.40$ 

Events / ( 2 GeV/c )

 $\frac{\text{Data}}{\text{Fit}}$ 10<sup>3</sup>10<sup>2</sup>

10

1

2

0

0

20

40

60

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

• Data

■ W

■ QCD

■ Z/ $\gamma^*$ ■ W $\rightarrow\tau$ ■ Z/ $\gamma^*\rightarrow\tau$ ■  $t\bar{t}$  $\chi^2/\text{ndof} = 35 / 42$