

pPb 173.4 nb⁻¹ $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$

$$W^- \rightarrow \mu^- + \bar{\nu}_\mu$$

$$p_{\text{T}}^\mu > 25 \text{ GeV/c}$$

$$1.40 \leq \eta_{\text{CM}}^\mu < 1.60$$

CMS*Preliminary*

Events / (2 GeV/c)

 $\frac{\text{Data}}{\text{Fit}}$ 10³10²

10

0

0

20

40

60

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

80

100

120

140

• Data

■ W

■ QCD

■ Z/ γ^* ■ W $\rightarrow\tau$ ■ Z/ $\gamma^*\rightarrow\tau$ ■ t \bar{t} $\chi^2/\text{ndof} = 40 / 39$