

pPb 173.4 nb<sup>-1</sup> $\sqrt{s_{NN}} = 8.16$  TeV

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

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

$$-1.80 \leq \eta_{CM}^\mu < -1.60$$

**CMS***Preliminary*

Events / (2 GeV/c)

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

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

10<sup>3</sup>10<sup>2</sup>

10

1

2

0

0

20

40

60

80

100

120

140

 $p_T^{\text{miss}}$  (GeV/c) $\chi^2/\text{ndof} = 36 / 40$