

pPb 173.4 nb<sup>-1</sup> $\sqrt{s_{NN}} = 8.16$  TeV $W^+ \rightarrow \mu^+ \nu_\mu$ 

CMS

 $p_T^\mu > 25$  GeV/c $1.80 \leq \eta_{CM}^\mu < 1.93$ 

Events / (2 GeV/c)

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

10

4

2

1

0

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

 $\frac{\text{Data}}{\text{Fit}}$  $\chi^2/\text{ndof} = 50 / 39$  $p_T^{\text{miss}}$  (GeV/c)

0

20

40

60

80

100

120

140

150