

CMS Preliminary

 $\sqrt{s} = 8 \text{ TeV}$ $\sigma_Z^{\text{tot}} \times \text{BR}(Z \rightarrow \ell\ell) [\text{nb}]$ $\int L \, dt = 18.7 \text{ pb}^{-1}$

1.2

1.15

1.1

1.05

1

0.95

0.9

Data(stat \oplus sys)Data(stat \oplus sys \oplus lumi)

68% CL unc.

FEWZ NNLO Prediction

MSTW 2008 NLO

NNPDF2.0

CTEQ(CT10)

 $\sigma_W^{\text{tot}} \times \text{BR}(W \rightarrow \ell\nu) [\text{nb}]$