CMS 35.9 fb^{-1} (13 TeV)

Measured

MadGraph5_aMC@NLO

PDFs $\oplus$ α_S

Fiducial region:

$p_T^l \in [26, \ 56]$ GeV, $|\eta^l| < 2.4$

Observable

Measured $\pm$ total uncertainty

Theoretical prediction

$W \to l\nu$

8.47 ± 0.20 nb

$8.18 \, ^{+0.28}_{-0.44}$ nb

$W^+ \to l^+\nu$

4.81 ± 0.11 nb

$4.67 \, ^{+0.16}_{-0.25}$ nb

$W^- \to l^-\bar{\nu}$

3.65 ± 0.08 nb

$3.52 \, ^{+0.12}_{-0.19}$ nb

W^+ / W^-

1.3166 ± 0.0019

$1.3277 \, ^{+0.0048}_{-0.0044}$

Ratio (measured/prediction) of fiducial cross sections