

CMS

19.7 fb⁻¹ ($\sqrt{s} = 8$ TeV)

 Total uncertainty

 Statistical uncertainty

$p_T^{\text{jet}} > 25$ GeV, $|\eta^{\text{jet}}| < 2.5$

$p_T^l > 30$ GeV, $|\eta^l| < 2.1$

CMS: 0.983 ± 0.010 (stat) ± 0.017 (syst)

Predictions: NLO MCFM (NLO PDFs)

■ MMHT2014

$0.921^{+0.021}_{-0.027}$



● CT14

$0.944^{+0.005}_{-0.006}$



▼ NNPDF31

$0.919^{+0.025}_{-0.026}$



▲ ABMP16

$0.957^{+0.001}_{-0.006}$



0.4

0.6

0.8

1

$\sigma(W^+ + \bar{c}) / \sigma(W^- + c)$