










$$\sqrt{s_{NN}} = 8.16 \text{ TeV}$$

# CMS

# Preliminary

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

-  Weak boson  $p_T$
-  Electroweak and  $t\bar{t}$  backgrounds
-  W-boson POWHEG BOX
-  Signal efficiency
-  Event activity
-  QCD jet background
-  Recoil correction
-  Statistical uncertainty
-  Total systematic uncertainty

