

138 fb⁻¹ (13 TeV)

Events / bin

Data/Bkg

 $\times 10^3$ **CMS***Preliminary* **e/μ +jets** **≥ 1 b, ≥ 3 j**

Data



QCD

 $t\bar{t}$ +non- $b\bar{b}$ 

Bkg uncert

 $t\bar{t}$ + $b\bar{b}$ 

other top



EW

 $X_{5/3}$ (tW, 1200 GeV) (x800) $X_{5/3} \rightarrow tH^+$ (x 800)
(m_X, m_{H^+}) = (1200, 200) GeV $X_{5/3} \rightarrow tH^+$ (x 800)
(m_X, m_{H^+}) = (1200, 1000) GeV $\Delta R(l_1, l_2)$

0 1 2 3 4 5