

CMS preliminary

$\mathcal{L}_{\text{int}} = 18.5 \text{ fb}^{-1}$ ,  $\sqrt{s} = 8 \text{ TeV}$

$2 \leq N_{\text{jet}} \leq 3$ ,  $N_b = 0$ ,  $200 < H_T < 275 \text{ GeV}$

$$R_{\text{stat}} = e^{[(20.1 \pm 6.0) + (-42.9 \pm 11.7) \cdot \alpha_T]} \quad (\chi^2/\text{dof} = 4.3/7)$$

$$R_{\text{syst}} = e^{[(25.9 \pm 0.5) + (-54.6 \pm 22.7) \cdot \alpha_T]^{(0.87 \pm 0.09)}} \quad (\chi^2/\text{dof} = 4.3/6)$$

$R_{H_T^{\text{miss}}/E_T^{\text{miss}}}$

$10^{-1}$

$10^{-2}$

0.5

0.55

0.6

0.65

$\alpha_T$

