7.3 fb⁻¹ (8 TeV) 10⁸ **CMS Jet Faking Photon** 10⁷ **Electron Faking Photon** Preliminary $\mathbf{Z} \gamma$ 10⁶ $\textbf{W} \; \gamma \to \textbf{I} \, \nu \; \gamma$ $W \rightarrow \mu(\tau) \nu \& \gamma \gamma$ **Dark Matter** $M_{\rm X} = 70$ Data 10 10⁻¹ Jata-Bkg/Bkg. 150 200 250 300 350 400 450 500

Photon P_T [GeV]