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**Note:**

- The CMS Preliminary sample includes single-\(\gamma\) events with \(p_T(\text{AK8 jet}) > 200\) GeV and \(|\eta(\text{AK8 jet})| < 2.4\).
- The data is compared against various backgrounds including \(\gamma\)+jets, QCD multijet, \(V_\gamma\), and top quark (t\(t\)\(\gamma\)).
- The observed to expected ratio \(N_{\text{obs}}/N_{\text{exp}}\) is shown for each background category.

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**Figure Legend**

- **CMS Preliminary**
- **Data**
- **\(\gamma\)+jets**
- **QCD multijet**
- **\(V_\gamma\)**
- **t\(t\)\(\gamma\)**
- **Bkg unc (stat)**
- **Bkg unc (stat+syst)**