

Category	SR
Trigger	$E_T^\gamma > 200 \text{ GeV}$
γ requirement	$E_T^\gamma > 225 \text{ GeV}, \eta < 1.44$ passing 80% signal efficiency selection: $\sigma_{i\eta i\eta} < 0.0103$, $H/E < 0.023, I_{\text{ch}}^{\text{max}} < 2.14 \text{ GeV}$, $I_{\text{ph}} < 0.17 \text{ GeV} + 0.003 E_T^\gamma$, $I_{\text{nh}} < 7.25 \text{ GeV} + 0.01 E_T^\gamma + 0.00001 (E_T^\gamma)^2 / \text{GeV}$
p_T^{miss} requirement	$p_T^{\text{miss}} > 200 \text{ GeV}$
Angular separation	$\Delta\phi(\vec{p}_T^{\text{miss}}, \vec{p}_T^\gamma) > 0.5$
Jet requirement	$\Delta\phi(\vec{p}_T^{\text{jet}}, \vec{p}_T^{\text{miss}}) > 0.5$ (for the leading 4 jets)
γ +Jets suppression	$E_T^\gamma / p_T^{\text{miss}} < 1.4$
Lepton veto	No μ^- or e^- with $p_T > 10 \text{ GeV}$ and passing Loose ID criteria