

Region	Selection
Preselection	$p_{\text{T}}^{\text{miss}}$ filters
	At least one reconstructed vertex
	At least one photon with $p_{\text{T}} > 180 \text{ GeV}$
	$\Delta R(\gamma, \text{jet}) > 0.5$
	$\Delta\phi(\vec{p}_{\text{T}}^{\text{miss}}, \text{jet}) > 0.3 \text{ rad, if } p_{\text{T}}(\text{jet}) > 100 \text{ GeV}$
Control region	Preselection
	$p_{\text{T}}^{\text{miss}} > 100 \text{ GeV}$
	$M_{\text{T}}(\gamma, \vec{p}_{\text{T}}^{\text{miss}}) > 100 \text{ GeV}$
	$p_{\text{T}}^{\text{miss}} < 300 \text{ GeV}$ or $M_{\text{T}}(\gamma, \vec{p}_{\text{T}}^{\text{miss}}) < 300 \text{ GeV}$
Validation region	Preselection
	$p_{\text{T}}^{\text{miss}} > 300 \text{ GeV}$
	$M_{\text{T}}(\gamma, \vec{p}_{\text{T}}^{\text{miss}}) > 300 \text{ GeV}$
	$S_{\text{T}}^{\gamma} < 600 \text{ GeV}$
Signal region	Preselection
	$p_{\text{T}}^{\text{miss}} > 300 \text{ GeV}$
	$M_{\text{T}}(\gamma, \vec{p}_{\text{T}}^{\text{miss}}) > 300 \text{ GeV}$
	$S_{\text{T}}^{\gamma} > 600 \text{ GeV}$