b-tagged	Untagged
At least one photon and one jet passing the identification	
Photon: $p_{\mathrm{T}}^{\gamma} > 200\mathrm{GeV}$, $ \eta^{\gamma} < 1.44$	
Jet: $p_{ m T}^{ m J} > 250{ m GeV}$, $ \eta^{ m J} < 2.2$	
$\Delta R(\gamma, J) > 1.1$	
$p_{\mathrm{T}}^{\gamma}/m_{\mathrm{J}\gamma}>0.35$	
Signal region: $110 < m_{\rm J}^{\rm SD} < 140{\rm GeV}$; Sideband region: $100 < m_{\rm J}^{\rm SD} < 110{\rm GeV}$	
Leading jet passes tight DBT requirement	The rest