

Category	Variables
Photon-related	$p_{\text{T}}(\gamma\gamma)/m_{\gamma\gamma}, p_{\text{T}}(\gamma_1)/m_{\gamma\gamma}, p_{\text{T}}(\gamma_2)/m_{\gamma\gamma},$ $\Delta R(\gamma\gamma), \Delta\eta(\gamma\gamma)$
Jet-related	$p_{\text{T}}(j_1), p_{\text{T}}(jj), m(jj), \Delta R(jj), m(j_1),$ b tagging score (j_1), b tagging score (j_2)
Photon-jet combinations	$\Delta R(\gamma_1, j_1), \Delta R(\gamma_1, j_2), \Delta R(\gamma_2, j_1), \Delta R(\gamma_2, j_2),$ $\Delta R(\gamma_1, jj), \Delta R(\gamma_2, jj), \Delta R(\gamma\gamma, j_1), \Delta R(\gamma\gamma, j_2), \Delta R(\gamma\gamma, jj),$ $\Delta\eta(\gamma\gamma, jj), \Delta\eta(\gamma\gamma, j_1), \Delta\eta(\gamma_1, j_2),$ $\Delta\phi(\gamma\gamma, jj), \Delta\phi(\gamma\gamma, j_1), \Delta\phi(\gamma\gamma, j_2)$