

Input variable	Description
Higgs boson kinematics	
/	Higgs candidate p_T relative to its mass
Photon quality indicators	
γ IDMVA	Photon identification MVA score Photon energy resolution
Angular variables of final state particles	
,, and $\cos \Theta$ $\cos \theta$ ϕ	Pseudorapidity of leptons and photon Separation between photon and leptons Z boson production angle Lepton production polar angle Lepton production azimuthal angle
Jet variables	
$p_T(j_{1,2})$ $\Delta R(j_{1,2}, \gamma)$	Jet transverse momenta Dijet pseudorapidity separation Dijet azimuthal angular separation Jet separation from photon Dijet system invariant mass Number of jets
Separation between the jet and the system	
	Azimuthal separation System p_T balance γ Zeppenfeld variable Angle between photon and