

Variable	Description	Multijet BNN	tug FCNC BNN/DNN	tcg FCNC BNN/DNN
$p_T(j_1)$	$p_T$ of the leading jet		X	X
$p_T(j_2)$	$p_T$ of the next-to-leading jet		X	X
$p_T(j_1, j_2)$	vector sum of the $p_T$ of the leading and the next-to-leading jet		X	X
$p_T(j_L)$	$p_T$ of the light-flavour jet (untagged jet with the highest value of $ \eta $ )		X	X
$p_T(j_{\text{not best}})$	$p_T$ of all jets without the one that best reconstructs the top quark		X	X
$p_T(\text{lep})$	$p_T$ of the lepton	X	X	X
$p_T(\text{top})_{b_1}$	$p_T$ of the top quark reconstructed with leading c jet (the b-tagged jet with the highest $p_T$ )		X	X
$H_T(j)$	scalar sum of the $p_T$ of the all jets		X	X
$E_T^{\text{miss}}$	missing transverse energy	X		
$\eta(\text{lep})$	$\eta$ of the lepton		X	X
$\eta(j_L)$	$\eta$ of the light-flavour jet		X	X
$m_T(W)$	transverse mass of the W boson	X		
$m(j)$	invariant mass of the all jets		X	X
$m(j, W)$	invariant mass of the W boson and all jets		X	X
$m(\text{top})_{b_1}$	invariant mass of the top quark reconstructed with leading b jet		X	X
$N(j)$	number of selected jets		X	X
$\Delta\phi(\text{lep}, E_T^{\text{miss}})$	azimuthal angle between the lepton and $\vec{p}_T^{\text{miss}}$	X		
$\cos(\theta_{\text{lep}, j_L}) _{\text{top}}$	cosine of the angle between the lepton and the light-flavour jet in the top quark rest frame, for top quark reconstructed with the leading c jet [? ]		X	X
$\cos(\theta_{\text{lep}, W}) _W$	cosine of the angle between the lepton momentum in the W boson rest frame and the direction of the W boson boost vector [? ]		X	X
$Q(\text{lep})$	charge of the lepton		X	