Variable description	$2\ell\text{ss}+0\tau_\text{h}$	$2\ell\text{ss}+1\tau_\text{h}$	$3\ell+0\tau_\text{h}$
Jet variables*			
$j_1(p_\text{T},\eta,\phi)$	—	✓	—
$j_2(p_\text{T},\eta,\phi)$	—	✓	—
Score of DeepJet Discriminator $(j_{1,2})$	—	✓	—
Number of jets in event $(j_{1,2})$	—	✓	—
Lepton variables*			
$l_1(p_\text{T},\eta,\phi)$	✓	✓	✓
$l_1(m_\text{T})$	—	✓	—
$l_2(p_\text{T},\eta,\phi)$	✓	✓	✓
$l_2(m_\text{T})$	—	✓	—
$l_3(p_\text{T},\eta,\phi)$	—	—	✓
$\tau_\text{h}(p_\text{T},\eta,\phi)$	—	✓	—
kinematic features			
p_T^miss	✓	✓	✓
$\Phi(p_\text{T}^\text{miss})$	✓	—	✓
High level variables			
$t_\text{had}(p_\text{T},\eta,\phi)^\dagger$	✓	—	✓
$t_\text{had}(\text{BDT score})^\dagger$	✓	—	✓
Higgs jet tagger†	—	✓	—
Jet is from from hadronic top flag† $(j_{1,2})$	—	✓	—
(p_T,η,ϕ) of vectorial sum of variables of first five jets $\left(\sum_{n=1}^{5} j_1(p_\text{T},\eta,\phi)\right)$	✓	—	✓
(p_T,η,ϕ) of vectorial sum of variables of remaining jets $(\sum_{n>5} j_1(p_\text{T},\eta,\phi))$	✓	—	✓
(p_T,η,ϕ) from the vectorial sum of all jet and fakeable lepton variables $(\sum_n j_n + \sum_n l_n(p_\text{T},\eta,\phi))$	✓	—	✓
Avg. ΔR distance among all jets	—	✓	—
$m_{\text{t}\bar{\text{t}}\text{H}}$	—	✓	—
Total number of variables	21	29	21

* Order determined by p_T

† Variables come from the "resolved hadronic top tagger" algorithm described in Ref. [9]