

Method	Type	Input	Features	Model types
VAE-QR	Uns.	Jet	Particle p_T, η, ϕ	VAE, DNN
<i>CWoLa Hunting</i>	Weak.	Jet	$m_{SD}, \tau_{21}, \tau_{32}, \tau_{43}, n_{PF}, LSF_3, \text{DeepB}$	DNN
TNT	Weak.	Jet	$m_{SD}, \tau_{21}, \tau_{32}, \tau_{43}, n_{PF}, LSF_3, \text{DeepB}$	AE, DNN
CATHODE	Weak.	Event	$m_{J1}, \Delta m_{J1J2}, \tau_{41,J1}, \tau_{41,J2}$	NF, DNN
CATHODE- <i>b</i>	Weak.	Event	$m_{J1}, \Delta m_{J1J2}, \tau_{41,J1}, \tau_{41,J2}, \text{DeepB}_{J1}, \text{DeepB}_{J2}$	NF, DNN
QUAK	Semi.	Event	$\tau_s, \tau_{21}, \tau_{32}, \tau_{43}, n_{PF}, \rho, \text{DeepB}$ for both jets	NF