

Distribution	$\chi^2/\text{dof}$	p-value	$\chi^2/\text{dof}$	p-value	$\chi^2/\text{dof}$	p-value
	POWHEG+P8 with unc.		SHERPA with unc.		POWHEG+P8	
Additional jets	1.52/6	0.958	27.3/6	< 0.01	10.1/6	0.121
Additional jets vs. $M(\text{t}\bar{\text{t}})$	27.5/36	0.845	68.9/36	< 0.01	38.8/36	0.345
Additional jets vs. $p_{\text{T}}(\text{t}_{\text{h}})$	35.1/44	0.830	64.6/44	0.023	71.6/44	< 0.01
Additional jets vs. $p_{\text{T}}(\text{t}\bar{\text{t}})$	64.6/29	< 0.01	181/29	< 0.01	175/29	< 0.01
$p_{\text{T}}(\text{jet})$	70.2/47	0.016	374/47	< 0.01	133/47	< 0.01
$ \eta(\text{jet}) $	120/70	< 0.01	174/70	< 0.01	171/70	< 0.01
$\Delta R_{\text{jt}}$	60.9/66	0.655	215/66	< 0.01	168/66	< 0.01
$\Delta R_{\text{t}}$	64.0/62	0.405	229/62	< 0.01	121/62	< 0.01
	SHERPA		POWHEG+H++		MG5_aMC@NLO+P8 FxFx	
Additional jets	63.0/6	< 0.01	34.1/6	< 0.01	11.1/6	0.086
Additional jets vs. $M(\text{t}\bar{\text{t}})$	112/36	< 0.01	300/36	< 0.01	55.1/36	0.022
Additional jets vs. $p_{\text{T}}(\text{t}_{\text{h}})$	88.5/44	< 0.01	230/44	< 0.01	53.4/44	0.156
Additional jets vs. $p_{\text{T}}(\text{t}\bar{\text{t}})$	285/29	< 0.01	223/29	< 0.01	122/29	< 0.01
$p_{\text{T}}(\text{jet})$	768/47	< 0.01	624/47	< 0.01	111/47	< 0.01
$ \eta(\text{jet}) $	214/70	< 0.01	259/70	< 0.01	133/70	< 0.01
$\Delta R_{\text{jt}}$	334/66	< 0.01	959/66	< 0.01	67.0/66	0.441
$\Delta R_{\text{t}}$	316/62	< 0.01	483/62	< 0.01	78.9/62	0.073