

	POWHEG+PYTHIA8		POWHEG+HERWIG++		MG5_aMC@NLO+PYTHIA8	
	$\chi^2/\text{ndof}$	p-val.	$\chi^2/\text{ndof}$	p-val.	$\chi^2/\text{ndof}$	p-val.
$p_T^t$	52/6	$< 10^{-3}$	3/6	0.830	17/6	0.008
$p_T^{\bar{t}}$	44/6	$< 10^{-3}$	3/6	0.786	16/6	0.012
$p_T^t$ (leading)	50/6	$< 10^{-3}$	3/6	0.756	21/6	0.002
$p_T^t$ (trailing)	39/6	$< 10^{-3}$	5/6	0.576	11/6	0.099
$p_T^t$ ( $t\bar{t}$ r.f.)	38/6	$< 10^{-3}$	4/6	0.710	12/6	0.053
$p_T^{\bar{t}}$ ( $t\bar{t}$ r.f.)	38/6	$< 10^{-3}$	4/6	0.710	12/6	0.053
$y_t$	6/10	0.785	8/10	0.627	6/10	0.795
$y_{\bar{t}}$	3/10	0.989	3/10	0.981	3/10	0.983
$y_t$ (leading)	3/8	0.927	4/8	0.894	4/8	0.840
$y_t$ (trailing)	3/8	0.939	4/8	0.850	2/8	0.973
$p_T^{t\bar{t}}$	34/6	$< 10^{-3}$	29/6	$< 10^{-3}$	17/6	0.011
$y_{t\bar{t}}$	3/10	0.968	6/10	0.776	5/10	0.858
$m_{t\bar{t}}$	12/7	0.095	11/7	0.135	5/7	0.676
$\Delta y $ ( $t,\bar{t}$ )	1/8	0.994	6/8	0.595	3/8	0.907
$\Delta\phi$ ( $t,\bar{t}$ )	0/4	0.975	0/4	0.982	2/4	0.823
$p_T^l$	36/5	$< 10^{-3}$	3/5	0.771	11/5	0.059
$p_T^{\bar{l}}$	35/5	$< 10^{-3}$	1/5	0.951	9/5	0.095
$p_T^l$ (leading)	41/5	$< 10^{-3}$	3/5	0.731	12/5	0.039
$p_T^l$ (trailing)	33/5	$< 10^{-3}$	5/5	0.404	6/5	0.318
$\eta_l$	18/16	0.339	20/16	0.207	20/16	0.234
$\eta_{\bar{l}}$	29/16	0.024	28/16	0.033	33/16	0.007
$\eta_l$ (leading)	11/16	0.781	12/16	0.766	17/16	0.388
$\eta_l$ (trailing)	21/16	0.194	29/16	0.025	24/16	0.092
$p_T^{\bar{l}\bar{l}}$	14/7	0.053	11/7	0.120	6/7	0.524
$m_{\bar{l}\bar{l}}$	37/8	$< 10^{-3}$	3/8	0.948	4/8	0.810
$\Delta\phi(l,\bar{l})$	27/10	0.003	13/10	0.235	10/10	0.478
$\Delta \eta (l,\bar{l})$	6/10	0.848	4/10	0.930	6/10	0.842
$N_{\text{jets}}$	14/6	0.035	37/6	$< 10^{-3}$	18/6	0.006
$p_T^b$ (leading)	35/5	$< 10^{-3}$	10/5	0.085	17/5	0.004
$p_T^b$ (trailing)	27/5	$< 10^{-3}$	10/5	0.063	11/5	0.050
$\eta_b$ (leading)	10/8	0.251	11/8	0.188	8/8	0.452
$\eta_b$ (trailing)	11/8	0.204	12/8	0.151	8/8	0.456
$p_T^{b\bar{b}}$	12/5	0.030	9/5	0.096	7/5	0.232
$m_{b\bar{b}}$	3/4	0.584	16/4	0.003	1/4	0.897