

POWHEG + PYTHIA8

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including simulation theory uncertainties

 χ^2 / ndf

p-value

 χ^2 / ndf

p-value

N_{Jets}	1.4 / 6	0.96	0.65 / 6	1
p_{T}^{W}	12 / 7	0.11	7.2 / 7	0.41
p_{T}^{I}	30 / 17	0.029	14 / 17	0.69
H_{T}	28 / 13	< 0.01	7.5 / 13	0.87
S_{T}	22 / 13	0.049	8.5 / 13	0.81
$p_{\text{T}}^{\text{miss}}$	7 / 6	0.32	6.4 / 6	0.38
All	100.4 / 62	< 0.01	44.3 / 62	0.96

POWHEG + HERWIG++

MG5_aMC@NLO (NLO) + PYTHIA8

MG5_aMC@NLO (LO) + PYTHIA8

 χ^2 / ndf

p-value

 χ^2 / ndf

p-value

 χ^2 / ndf

p-value

N_{Jets}	19 / 6	< 0.01	5.7 / 6	0.45	59 / 6	< 0.01
p_{T}^{W}	0.69 / 7	1	7.1 / 7	0.41	22 / 7	< 0.01
p_{T}^{I}	7.3 / 17	0.98	24 / 17	0.13	49 / 17	< 0.01
H_{T}	16 / 13	0.24	24 / 13	0.028	110 / 13	< 0.01
S_{T}	19 / 13	0.13	13 / 13	0.47	63 / 13	< 0.01
$p_{\text{T}}^{\text{miss}}$	0.53 / 6	1	2.1 / 6	0.91	18 / 6	< 0.01
All	62.5 / 62	0.46	75.9 / 62	0.11	321 / 62	< 0.01