

	POWHEG+PYTHIA		With MC theoretical uncertainties	
	χ^2/ndf	p -value	χ^2/ndf	p -value
N_{jets}	2.3 / 6	0.90	1.7 / 6	0.95
H_{T}	23 / 13	0.05	4.3 / 13	0.99
S_{T}	19 / 13	0.11	4.7 / 13	0.98
$p_{\text{T}}^{\text{miss}}$	13 / 6	0.05	3.1 / 6	0.80
p_{T}^{W}	17 / 7	0.02	2.7 / 7	0.91
p_{T}^{ℓ}	20 / 17	0.28	14 / 17	0.68
$ \eta^{\ell} $	16 / 8	0.04	15 / 8	0.06

	POWHEG+HERWIG++		MG5_aMC@NLO-NLO+PYTHIA		MG5_aMC@NLO-LO+PYTHIA	
	χ^2/ndf	p -value	χ^2/ndf	p -value	χ^2/ndf	p -value
N_{jets}	39 / 6	<0.01	12 / 6	0.07	94 / 6	<0.01
H_{T}	21 / 13	0.07	10 / 13	0.66	150 / 13	<0.01
S_{T}	18 / 13	0.17	9.3 / 13	0.75	110 / 13	<0.01
$p_{\text{T}}^{\text{miss}}$	1.5 / 6	0.96	6.6 / 6	0.36	26 / 6	<0.01
p_{T}^{W}	0.9 / 7	1	9.2 / 7	0.24	33 / 7	<0.01
p_{T}^{ℓ}	11 / 17	0.87	15 / 17	0.58	36 / 17	<0.01
$ \eta^{\ell} $	17 / 8	0.04	23 / 8	<0.01	31 / 8	<0.01