Analysis	$\sqrt{s}$ (TeV)	$\alpha_S(m_Z)$	fit unc.	PDF unc.	scale unc.	other unc.	PDF	pQCD order
R_{32} [184]	7	0.1148	± 0.0014	± 0.0018	± 0.0050 theo incl. scale		NNPDF2.1	NLO
2D inclusive jet [144] [142]	7	0.1185	± 0.0019	± 0.0028	$^{+0.0053}_{-0.0024}$	± 0.0004 NP	—	NLO
Inclusive 3-jet mass [189]	7	0.1171	± 0.0013	± 0.0024	$^{+0.0069}_{-0.0040}$	± 0.0008 NP	CT10	NLO
$t\bar{t}$ cross section [190]	7	0.1151	$^{+0.0017}_{-0.0018}$	$^{+0.0013}_{-0.0011}$	$^{+0.0009}_{-0.0008}$	$\underbrace{\pm 0.0013}_{m_t}$ $\underbrace{\pm 0.0008}_{\sqrt{s}}$	NNPDF2.3	NNLO
2D inclusive jet [139]	8	0.1185	$^{+0.0019}_{-0.0021}$	$\underbrace{^{+0.0002}_{-0.0015}}_{\text{model}}$ $\underbrace{^{+0.0000}_{-0.0004}}_{\text{param}}$	$^{+0.0022}_{-0.0018}$		—	NLO
3D dijet mass [180]	8	0.1199	± 0.0015	$\underbrace{\pm 0.0002}_{\text{model}}$ $\underbrace{^{+0.0002}_{-0.0004}}_{\text{param}}$	$^{+0.0026}_{-0.0016}$		—	NLO
W, Z cross section [191]	7, 8	0.1163	$\underbrace{\pm 0.0007}_{\text{stat}}$ $\underbrace{\pm 0.0010}_{\text{syst}}$	$^{+0.0016}_{-0.0022}$	± 0.0009	$\underbrace{\pm 0.0013}_{\text{lumi}}$ $\underbrace{\pm 0.0006}_{\text{num}}$	CT14	NNLO
$t\bar{t}$ (dilepton) [192]	13	0.1151	± 0.0035 fit + PDF		$^{+0.0020}_{-0.0002}$		MMHT14	NNLO
Normalized $t\bar{t}$ [181]	13	0.1135	± 0.0016	$\underbrace{^{+0.0002}_{-0.0004}}_{\text{model}}$ $\underbrace{^{+0.0008}_{-0.0001}}_{\text{param}}$	$^{+0.0011}_{-0.0005}$		—	NLO
2D inclusive jet [146]	13	0.1166	± 0.0014	$\underbrace{\pm 0.0007}_{\text{model}}$ $\underbrace{\pm 0.0001}_{\text{param}}$	± 0.0004		—	NNLO
2D & 3D dijet mass [182]	13	0.1181	± 0.0013	$\underbrace{\pm 0.0006}_{\text{model}}$ $\underbrace{\pm 0.0002}_{\text{param}}$	± 0.0009		—	NNLO
$R_{\Delta\phi}$ [193]	13	0.1177	± 0.0013	$\underbrace{\pm 0.0010}_{\text{NNPDF3.1}}$ $\underbrace{\pm 0.0020}_{\text{choice}}$	$^{+0.0114}_{-0.0068}$	$\underbrace{\pm 0.0011}_{\text{NP}}$ $\underbrace{\pm 0.0003}_{\text{EW}}$	NNPDF3.1	NLO
Energy correlators in jets [185]	13	0.1229	$\underbrace{^{+0.0014}_{-0.0012}}_{\text{stat}}$ $\underbrace{^{+0.0023}_{-0.0036}}_{\text{syst}}$		$^{+0.0030}_{-0.0033}$		—	aNNLL