

Unfolding Unfolded Truth Bin 1	100.0	47.6	46.0	41.2	28.3	21.8	1.3	-13.3	-16.4	-15.1	-18.6	7.0	-5.4	-9.2	-28.5	-4.8	3.2	-30.9	-5.1	-23.6	4.1	17.2	-6.7	13.2	-7.4	-23.5	-17.7	2.5	-6.9	-6.7
Unfolding Unfolded Truth Bin 2	47.6	100.0	33.1	33.9	16.8	12.8	0.6	-13.1	-17.1	-9.9	-9.2	16.6	-10.4	-11.8	-30.4	3.7	10.4	-20.5	-1.2	-4.1	11.4	-3.5	-5.4	11.8	-6.7	-5.7	-13.7	1.9	-13.6	18.6
Unfolding Unfolded Truth Bin 3	46.0	33.1	100.0	37.8	31.3	24.7	-2.8	-11.0	-15.5	-8.8	-2.4	7.2	-5.2	-8.4	-21.3	-3.1	2.7	-27.8	-0.5	-1.7	16.8	25.9	4.0	12.9	-7.0	-1.9	-8.8	2.2	-14.0	-19.6
Unfolding Unfolded Truth Bin 4	41.2	33.9	37.8	100.0	30.8	25.6	-7.7	-6.2	-12.6	-11.6	-8.7	11.3	2.8	-10.7	-17.6	-2.2	-3.3	-28.1	-0.7	-0.4	19.3	30.0	6.9	12.9	-11.1	-4.2	-13.8	0.1	-27.2	-6.7
Unfolding Unfolded Truth Bin 5	28.3	16.8	31.3	30.8	100.0	23.5	-3.0	-8.8	-7.3	-7.9	-5.5	-0.8	4.1	-6.7	-15.9	7.7	3.2	-16.8	-0.0	0.2	7.8	42.0	5.3	9.2	-8.3	-1.3	-4.8	1.8	-21.6	-29.5
Unfolding Unfolded Truth Bin 6	21.8	12.8	24.7	25.6	23.5	100.0	-23.9	-5.3	-6.5	-4.3	-4.0	-0.1	0.6	-3.2	-8.1	5.1	1.7	-13.5	-0.2	0.2	-4.5	34.8	-3.2	7.0	-7.8	-1.7	-7.3	2.5	-22.0	-23.9
EG SCALE ALL	1.3	0.6	-2.8	-7.7	-3.0	-23.9	100.0	0.7	2.2	2.3	-1.2	0.2	-0.7	-0.4	-1.6	-1.6	0.9	0.1	-0.1	-0.1	12.4	-1.8	-2.1	0.1	-0.1	0.4	0.6	-0.6	-0.7	1.2
JET BJES Response	-13.3	-13.1	-11.0	-6.2	-8.8	-5.3	0.7	100.0	-0.3	-0.6	0.1	-0.2	0.2	-0.0	0.3	-0.5	0.2	-0.2	-0.1	-0.0	-3.1	-3.4	0.4	0.1	-0.0	-0.8	-0.3	-0.2	0.3	0.4
JET EffectiveNP Modelling1	-16.4	-17.1	-15.5	-12.6	-7.3	-6.5	2.2	-0.3	100.0	-2.2	1.6	1.4	1.2	-0.1	0.8	0.9	-1.0	0.4	0.2	0.2	-0.6	-3.2	-0.1	0.0	0.2	1.5	0.4	0.7	0.2	0.1
JET EtaiInterCalib. Modelling	-15.1	-9.9	-8.8	-11.6	-7.9	-4.3	2.3	-0.6	-2.2	100.0	0.9	1.3	0.9	-0.1	0.5	-0.0	-0.2	-0.0	-0.1	0.1	-2.8	-3.8	0.3	0.2	0.0	0.1	-0.1	0.9	0.3	-1.9
JET_Flavor_Composition	-18.6	-9.2	-2.4	-8.7	-5.5	-4.0	-1.2	0.1	1.6	0.9	100.0	-0.5	-1.1	0.0	-1.4	-1.0	1.4	-0.6	-1.1	-0.3	-1.4	-15.8	0.8	0.3	-0.6	-2.9	-1.5	0.7	-1.2	-6.4
JET Flavor Response	7.0	16.6	7.2	11.3	-0.8	-0.1	0.2	-0.2	1.4	1.3	-0.5	100.0	-0.5	0.4	0.3	0.6	-0.1	-0.2	0.3	-0.1	-8.3	1.4	1.4	-0.2	0.1	-1.2	-0.4	-1.0	0.8	4.9
JET_JER_EffectiveNP_1	-5.4	-10.4	-5.2	2.8	4.1	0.6	-0.7	0.2	1.2	0.9	-1.1	-0.5	100.0	0.2	-0.3	-0.7	0.9	-0.4	-0.3	-0.2	-0.6	9.0	0.5	-0.1	-0.2	-1.4	-0.5	-0.1	-0.4	-4.4
JET_Pileup_OffsetNPV	-9.2	-11.8	-8.4	-10.7	-6.7	-3.2	-0.4	-0.0	-0.1	-0.1	0.0	0.4	0.2	100.0	-0.2	-0.2	0.0	0.1	-0.1	0.0	2.2	-4.6	-0.5	0.1	-0.0	0.2	0.1	0.1	-0.1	0.4
JET_Pileup_RhoTopology	-28.5	-30.4	-21.3	-17.6	-15.9	-8.1	-1.6	0.3	0.8	0.5	-1.4	0.3	-0.3	-0.2	100.0	-0.8	0.8	-0.2	-0.6	-0.1	3.1	-15.2	-0.4	0.3	-0.3	-0.9	-0.5	0.7	-0.7	-1.8
MET SoftTrk ResoPara	-4.8	3.7	-3.1	-2.2	7.7	5.1	-1.6	-0.5	0.9	-0.0	-1.0	0.6	-0.7	-0.2	-0.8	100.0	2.1	-0.7	-0.2	-0.3	2.5	12.0	-0.8	0.3	-0.1	-1.8	-0.1	-0.3	0.4	-2.2
MET_SoftTrk_ResoPerp	3.2	10.4	2.7	-3.3	3.2	1.7	0.9	0.2	-1.0	-0.2	1.4	-0.1	0.9	0.0	0.8	2.1	100.0	0.7	0.5	0.3	0.8	-3.7	-0.2	-0.3	0.2	2.2	0.7	-0.2	0.1	4.1
hfakeSF_	-30.9	-20.5	-27.8	-28.1	-16.8	-13.5	0.1	-0.2	0.4	-0.0	-0.6	-0.2	-0.4	0.1	-0.2	-0.7	0.7	100.0	-0.3	-0.1	-1.9	-0.3	0.5	0.1	-0.2	-1.3	-0.5	0.1	-0.2	-2.9
Luminosity	-5.1	-1.2	-0.5	-0.7	-0.0	-0.2	-0.1	-0.1	0.2	-0.1	-1.1	0.3	-0.3	-0.1	-0.6	-0.2	0.5	-0.3	100.0	-0.1	1.3	-17.3	0.3	0.2	-0.5	-1.5	-1.2	0.8	-1.5	-7.9
ttbar Normalization	-23.6	-4.1	-1.7	-0.4	0.2	0.2	-0.1	-0.0	0.2	0.1	-0.3	-0.1	-0.2	0.0	-0.1	-0.3	0.3	-0.1	-0.1	100.0	-0.6	0.0	0.1	0.0	-0.0	-0.5	-0.2	0.0	-0.0	-0.6
tt_dec_Herwig7	4.1	11.4	16.8	19.3	7.8	-4.5	12.4	-3.1	-0.6	-2.8	-1.4	-8.3	-0.6	2.2	3.1	2.5	0.8	-1.9	1.3	-0.6	100.0	8.6	11.8	-0.1	0.2	-9.8	-4.0	-0.4	7.0	16.7
tt_dec Normalization	17.2	-3.5	25.9	30.0	42.0	34.8	-1.8	-3.4	-3.2	-3.8	-15.8	1.4	9.0	-4.6	-15.2	12.0	-3.7	-0.3	-17.3	0.0	8.6	100.0	4.8	6.1	-8.2	-17.2	-21.0	15.9	-24.6	-53.2
tt_prod_var3c	-6.7	-5.4	4.0	6.9	5.3	-3.2	-2.1	0.4	-0.1	0.3	0.8	1.4	0.5	-0.5	-0.4	-0.8	-0.2	0.5	0.3	0.1	11.8	4.8	100.0	0.0	0.2	2.3	1.3	-0.3	-0.2	2.5
TagSF_DL1r_85_eigenvars_B_0	13.2	11.8	12.9	12.9	9.2	7.0	0.1	0.1	0.0	0.2	0.3	-0.2	-0.1	0.1	0.3	0.3	-0.3	0.1	0.2	0.0	-0.1	6.1	0.0	100.0	0.1	0.4	0.3	-0.3	0.2	0.9
hSF_EL_SF_SIMPLIFIED_Iso_0	-7.4	-6.7	-7.0	-11.1	-8.3	-7.8	-0.1	-0.0	0.2	0.0	-0.6	0.1	-0.2	-0.0	-0.3	-0.1	0.2	-0.2	-0.5	-0.0	0.2	-8.2	0.2	0.1	100.0	-0.8	-0.6	0.3	-0.7	-3.5
photonSF_ID	-23.5	-5.7	-1.9	-4.2	-1.3	-1.7	0.4	-0.8	1.5	0.1	-2.9	-1.2	-1.4	0.2	-0.9	-1.8	2.2	-1.3	-1.5	-0.5	-9.8	-17.2	2.3	0.4	-0.8	100.0	-2.6	0.7	-1.0	-10.3
photonSF_effIso	-17.7	-13.7	-8.8	-13.8	-4.8	-7.3	0.6	-0.3	0.4	-0.1	-1.5	-0.4	-0.5	0.1	-0.5	-0.1	0.7	-0.5	-1.2	-0.2	-4.0	-21.0	1.3	0.3	-0.6	-2.6	100.0	0.8	-1.3	-7.8
pileup	2.5	1.9	2.2	0.1	1.8	2.5	-0.6	-0.2	0.7	0.9	0.7	-1.0	-0.1	0.1	0.7	-0.3	-0.2	0.1	0.8	0.0	-0.4	15.9	-0.3	-0.3	0.3	0.7	0.8	100.0	1.0	5.9
Wty Normalization	-6.9	-13.6	-14.0	-27.2	-21.6	-22.0	-0.7	0.3	0.2	0.3	-1.2	0.8	-0.4	-0.1	-0.7	0.4	0.1	-0.2	-1.5	-0.0	7.0	-24.6	-0.2	0.2	-0.7	-1.0	-1.3	1.0	100.0	-12.9
Zy Normalization	-6.7	18.6	-19.6	-6.7	-29.5	-23.9	1.2	0.4	0.1	-1.9	-6.4	4.9	-4.4	0.4	-1.8	-2.2	4.1	-2.9	-7.9	-0.6	16.7	-53.2	2.5	0.9	-3.5	-10.3	-7.8	5.9	-12.9	100.0

Unfolding Unfolded Truth Bin 1	Unfolding Unfolded Truth Bin 2	Unfolding Unfolded Truth Bin 3	Unfolding Unfolded Truth Bin 4	Unfolding Unfolded Truth Bin 5	Unfolding Unfolded Truth Bin 6	EG SCALE ALL	JET BJES Response	JET EffectiveNP Modelling1	JET EtaiInterCalib. Modelling	JET_Flavor_Composition	JET Flavor Response	JET_JER_EffectiveNP_1	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	MET SoftTrk ResoPara	MET_SoftTrk_ResoPerp	hfakeSF_	Luminosity	ttbar Normalization	tt_dec_Herwig7	tt_dec Normalization	tt_prod_var3c	TagSF_DL1r_85_eigenvars_B_0	hSF_EL_SF_SIMPLIFIED_Iso_0	photonSF_ID	photonSF_effIso	pileup	Wty Normalization	Zy Normalization
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