	BTag_B_0	BTag_B_1	BTag_Light_0	Electron_Iso_SF_0	JET_BJES_Response	JET_EffectiveNP_Modelling1	JET_EtaIntercalibration_Modelling	JET_Flavor_Composition	JET_Flavor_Response	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	Luminosity	MET_SoftTrk_ResoPara	PileupRW	Photon_ID	Photon_effIso	hfakeSF	ttbar_pt_hard	tty_dec_Herwig7	tty_prod_Herwig7	tty_prod_var3c	uncalib_ljet	Norm factor for tty dec	tty_drphb Unfolded Truth Bin 1	tty_drphb Unfolded Truth Bin 2	tty_drphb Unfolded Truth Bin 3	tty_drphb Unfolded Truth Bin 4	tty_drphb Unfolded Truth Bin 5
BTag_B_0	100.0	-1.1	1.3	-0.3	-0.0	0.1	0.1	-5.5	0.7	-0.2	-2.2	-0.5	2.6	0.1	-1.0	-0.9	-0.7	1.8	-10.9	-0.7	-1.7	-0.9	11.2	9.0	14.9	18.7	9.3	-8.1
BTag_B_1	-1.1	100.0	0.6	-0.1	0.0	0.1	0.0	-2.1	0.3	-0.0	-0.9	-0.2	0.9	-0.1	-0.4	-0.3	-0.3	0.7	-9.0	-0.8	-0.4	-0.3	-0.9	4.0	8.5	10.4	5.6	-3.1
BTag_Light_0	1.3	0.6	100.0	0.1	-0.1	-0.1	-0.0	1.5	-0.3	-0.0	0.6	0.1	-0.7	-0.0	0.3	0.3	-0.1	-0.4	7.5	1.6	0.3	0.2	16.3	8.5	7.4	10.0	13.7	4.5
Electron_Iso_SF_0	-0.3	-0.1	0.1	100.0	0.0	0.0	0.0	-0.4	0.1	-0.0	-0.1	-0.0	0.2	0.0	-0.1	-0.1	-0.0	0.1	-2.1	-0.2	-0.1	-0.0	-15.2	-6.5	-9.4	-11.7	-12.1	-7.7
JET_BJES_Response	-0.0	0.0	-0.1	0.0	100.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	0.0	0.4	0.1	-0.1	-0.0	-6.1	-10.4	-12.3	-14.9	-7.5	-1.3
JET_EffectiveNP_Modelling1	0.1	0.1	-0.1	0.0	0.0	100.0	-0.0	0.3	-0.0	-0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-0.2	1.2	-0.0	0.0	0.0	-6.0	-8.3	-10.6	-13.7	-13.5	-11.0
JET_EtaIntercalibration_Modelling	0.1	0.0	-0.0	0.0	0.0	-0.0	100.0	0.2	0.0	-0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1	-0.2	-0.4	-0.2	0.1	0.0	-9.1	-6.1	-7.5	-10.8	-12.4	-9.8
JET_Flavor_Composition	-5.5	-2.1	1.5	-0.4	0.0	0.3	0.2	100.0	1.0	-0.1	-2.9	-0.6	3.4	0.1	-1.4	-1.2	-0.5	2.5	-25.1	-3.3	-2.3	-1.1	-32.2	-12.5	-9.9	-12.5	-10.6	-12.8
JET_Flavor_Response	0.7	0.3	-0.3	0.1	0.0	-0.0	0.0	1.0	100.0	0.0	0.4	0.1	-0.4	0.0	0.2	0.2	-0.0	-0.2	3.6	0.9	0.3	0.2	11.1	4.3	4.7	6.9	13.9	14.9
JET_Pileup_OffsetNPV	-0.2	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.1	0.0	100.0	0.0	-0.0	-0.0	0.0	-0.0	-0.0	-0.1	-0.2	-0.0	-0.0	-0.0	-0.0	-7.6	-6.4	-7.6	-9.4	-10.4	-9.1
JET_Pileup_RhoTopology	-2.2	-0.9	0.6	-0.1	0.0	0.1	0.1	-2.9	0.4	0.0	100.0	-0.2	1.3	0.0	-0.5	-0.4	-0.2	0.9	-12.9	-2.1	-0.9	-0.4	-30.2	-20.2	-23.7	-30.0	-22.0	-14.3
Luminosity	-0.5	-0.2	0.1	-0.0	0.0	0.0	0.0	-0.6	0.1	-0.0	-0.2	100.0	0.3	0.0	-0.1	-0.1	-0.0	0.2	-2.2	-0.3	-0.2	-0.1	-15.8	-6.8	-9.7	-12.4	-12.6	-9.0
MET_SoftTrk_ResoPara	2.6	0.9	-0.7	0.2	0.0	-0.1	-0.1	3.4	-0.4	-0.0	1.3	0.3	100.0	-0.1	0.6	0.5	0.3	-1.1	11.0	0.8	1.0	0.5	7.6	3.5	-1.1	-3.2	-0.7	1.2
PileupRW	0.1	-0.1	-0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	100.0	0.0	0.0	0.0	0.0	-1.9	-0.5	-0.0	0.0	20.6	3.4	4.2	5.0	3.4	5.3
Photon_ID	-1.0	-0.4	0.3	-0.1	0.0	0.0	0.0	-1.4	0.2	-0.0	-0.5	-0.1	0.6	0.0	100.0	-0.2	-0.1	0.4	-4.9	-0.4	-0.4	-0.2	-32.5	-5.1	-8.2	-11.2	-10.3	-6.3
Photon_effIso	-0.9	-0.3	0.3	-0.1	0.0	0.0	0.0	-1.2	0.2	-0.0	-0.4	-0.1	0.5	0.0	-0.2	100.0	-0.1	-0.3	-4.2	-0.4	-0.5	-0.3	-31.4	-8.9	-13.0	-16.8	-16.3	-11.2
hfakeSF	-0.7	-0.3	-0.1	-0.0	-0.0	0.0	0.1	-0.5	-0.0	-0.0	-0.2	-0.0	0.3	0.0	-0.1	-0.1	100.0	0.3	-3.0	0.7	-0.5	-0.1	-11.0	-6.4	-14.5	-18.4	-26.2	-38.4
ttbar_pt_hard	1.8	0.7	-0.4	0.1	0.0	-0.2	-0.2	2.5	-0.2	-0.1	0.9	0.2	-1.1	0.0	0.4	0.3	0.3	100.0	9.4	0.9	0.8	0.3	5.6	1.5	-0.3	-1.0	-10.4	-9.8
tty_dec_Herwig7	-10.9	-9.0	7.5	-2.1	0.4	1.2	-0.4	-25.1	3.6	-0.2	-12.9	-2.2	11.0	-1.9	-4.9	-4.2	-3.0	9.4	100.0	-7.4	0.4	-2.6	47.2	48.1	33.5	18.1	5.3	0.1
tty_prod_Herwig7	-0.7	-0.8	1.6	-0.2	0.1	-0.0	-0.2	-3.3	0.9	-0.0	-2.1	-0.3	0.8	-0.5	-0.4	-0.5	0.7	0.9	-7.4	100.0	-0.7	-0.7	12.8	-1.3	-32.1	-13.3	-13.7	-13.7
tty_prod_var3c	-1.7	-0.4	0.3	-0.1	-0.1	0.0	0.1	-2.3	0.3	-0.0	-0.9	-0.2	1.0	-0.0	-0.4	-0.3	-0.5	0.8	0.4	-0.7	100.0	-0.5	8.2	-2.6	-1.3	-10.7	1.4	5.2
uncalib_ljet	-0.9	-0.3	0.2	-0.0	-0.0	0.0	0.0	-1.1	0.3	-0.0	-0.4	-0.1	0.5	0.0	-0.2	-0.2	0.3	-0.2	-2.6	-0.7	-0.5	100.0	-13.3	-14.6	-14.3	-14.4	-9.2	-9.0
Norm factor for tty dec	11.2	-0.9	16.3	-15.2	-6.1	-6.0	-9.1	-32.2	11.1	-7.6	-30.2	-15.8	7.6	20.6	-32.5	-31.4	-11.0	5.6	47.2	12.8	8.2	-13.3	100.0	27.8	24.2	31.4	25.7	19.5
tty_drphb Unfolded Truth Bin 1	9.0	4.0	8.5	-6.5	-10.4	-8.3	-6.1	-12.5	4.3	-6.4	-20.2	-6.8	3.5	3.4	-5.1	-8.9	-6.4	1.5	48.1	-1.3	-2.6	-14.6	27.8	100.0	34.5	32.7	20.7	9.1
tty_drphb Unfolded Truth Bin 2	14.9	8.5	7.4	-9.4	-12.3	-10.6	-7.5	-9.9	4.7	-7.6	-23.7	-9.7	-1.1	4.2	-8.2	-13.0	-14.5	-0.3	33.5	-32.1	-1.3	-14.3	24.2	34.5	100.0	39.9	31.8	20.5
tty_drphb Unfolded Truth Bin 3	18.7	10.4	10.0	-11.7	-14.9	-13.7	-10.8	-12.5	6.9	-9.4	-30.0	-12.4	-3.2	5.0	-11.2	-16.8	-18.4	-1.0	18.1	-13.3	-10.7	-14.4	31.4	32.7	39.9	100.0	32.7	23.6
tty_drphb Unfolded Truth Bin 4	9.3	5.6	13.7	-12.1	-7.5	-13.5	-12.4	-10.6	13.9	-10.4	-22.0	-12.6	-0.7	3.4	-10.3	-16.3	-26.2	-10.4	5.3	-13.7	1.4	-9.2	25.7	20.7	31.8	32.7	100.0	26.3
tty_drphb Unfolded Truth Bin 5	-8.1	-3.1	4.5	-7.7	-1.3	-11.0	-9.8	-12.8	14.9	-9.1	-14.3	-9.0	1.2	5.3	-6.3	-11.2	-38.4	-9.8	0.1	-13.7	5.2	-9.0	19.5	9.1	20.5	23.6	26.3	100.0