	BTag_B_0	JET_EffectiveNP_Modelling1	JET_EtaIntercalibration_Modelling	JET_Flavor_Composition	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	Photon_effIso	efakeSF_	hfakeSF_	lepfakeSF_var2	ttbar_pt_hard	tty_dec_Herwig7	tty(dec) Norm	tty_dec_var3c	tty_prod_Herwig7	tty_prod_muF	tty_prod_muR	tty_prod_var3c	highpt_uncalib_ljet	Wtγ Norm	Wγ Norm	Zγ Norm	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	-1.6	-0.6	-3.7	0.3	-2.6	2.2	-3.7	2.7	-0.5	-4.9	-8.1	3.1	-1.6	-1.2	-1.7	-4.5	-0.4	-2.2	-3.2	-5.3	-3.0	14.1	18.4	18.8	13.7	1.3
JET_EffectiveNP_Modelling1	-1.6	100.0	-0.9	-1.4	0.3	-1.7	1.3	-1.3	-4.6	-0.6	-2.9	4.2	2.6	-2.2	-4.7	0.2	0.3	2.2	-4.0	-0.9	-4.7	-2.5	-11.7	-14.6	-16.3	-16.9	-16.1
JET_EtaIntercalibration_Modelling	-0.6	-0.9	100.0	-0.7	0.3	-0.7	0.7	-2.4	-6.1	-1.0	-1.3	6.9	1.1	-2.0	-4.7	0.2	2.1	2.3	-4.2	-0.3	-4.5	-1.7	-7.8	-11.6	-13.4	-14.5	-15.6
JET_Flavor_Composition	-3.7	-1.4	-0.7	100.0	0.6	-2.2	2.0	-0.6	-4.3	-1.8	-6.5	1.6	-9.1	-3.9	-4.7	-0.4	1.1	4.5	-7.6	-4.1	-15.7	-7.6	-21.9	-28.5	-33.2	-36.5	-38.5
JET_Pileup_OffsetNPV	0.3	0.3	0.3	0.6	100.0	1.2	-0.2	0.6	-3.4	-1.0	-0.6	2.8	3.6	-0.5	-5.3	0.4	2.4	2.9	-3.1	1.1	-3.2	-1.0	-14.1	-16.9	-17.9	-18.8	-18.7
JET_Pileup_RhoTopology	-2.6	-1.7	-0.7	-2.2	1.2	100.0	2.1	-1.5	-5.0	-1.4	-7.3	3.9	-10.6	-4.1	-6.3	-0.1	1.2	4.6	-6.4	-2.9	-9.2	-4.0	-25.8	-33.5	-38.1	-41.3	-40.1
Photon_effIso	2.2	1.3	0.7	2.0	-0.2	2.1	100.0	-2.2	-2.9	-1.5	2.5	0.5	-10.1	1.7	-3.3	-0.1	3.2	2.5	1.0	2.0	1.7	1.6	-12.2	-14.1	-14.4	-15.5	-15.6
efakeSF_	-3.7	-1.3	-2.4	-0.6	0.6	-1.5	-2.2	100.0	-30.9	-5.1	4.6	5.6	-5.4	-4.0	-23.8	1.5	2.3	-1.2	-16.9	-1.7	-1.0	0.8	1.4	-4.0	-1.8	1.1	6.6
hfakeSF_	2.7	-4.6	-6.1	-4.3	-3.4	-5.0	-2.9	-30.9	100.0	-7.1	14.1	20.3	-18.9	-5.5	-29.5	-0.2	11.7	10.9	-11.5	-0.1	-0.0	-4.7	17.4	0.0	-10.8	-15.5	-22.2
lepfakeSF_var2	-0.5	-0.6	-1.0	-1.8	-1.0	-1.4	-1.5	-5.1	-7.1	100.0	2.1	-5.5	-13.0	-0.2	-3.5	-1.3	2.9	2.3	-0.2	-0.5	-0.0	-2.1	12.8	16.5	16.1	19.2	15.9
ttbar_pt_hard	-4.9	-2.9	-1.3	-6.5	-0.6	-7.3	2.5	4.6	14.1	2.1	100.0	-16.4	-15.0	-0.8	12.2	-1.9	-9.3	-5.9	5.4	-7.6	-4.8	-4.0	7.9	12.4	13.5	16.2	19.5
tty_dec_Herwig7	-8.1	4.2	6.9	1.6	2.8	3.9	0.5	5.6	20.3	-5.5	-16.4	100.0	2.5	3.4	-3.5	-2.5	-11.6	13.6	-8.3	-1.8	-1.8	4.5	26.5	-12.2	-26.5	-29.8	-30.8
tty(dec) Norm	3.1	2.6	1.1	-9.1	3.6	-10.6	-10.1	-5.4	-18.9	-13.0	-15.0	2.5	100.0	-15.1	22.3	-17.5	9.9	45.5	40.0	-4.0	-3.3	-9.0	-58.2	-51.4	-38.8	-26.0	-13.4
tty_dec_var3c	-1.6	-2.2	-2.0	-3.9	-0.5	-4.1	1.7	-4.0	-5.5	-0.2	-0.8	3.4	-15.1	100.0	-0.4	-0.5	-0.6	-0.3	-3.2	-3.1	-5.4	-4.0	17.6	21.0	18.7	19.6	23.0
tty_prod_Herwig7	-1.2	-4.7	-4.7	-4.7	-5.3	-6.3	-3.3	-23.8	-29.5	-3.5	12.2	-3.5	22.3	-0.4	100.0	-0.3	-0.6	1.1	-7.9	-1.9	1.2	-2.4	0.7	9.6	15.7	17.6	27.0
tty_prod_muF	-1.7	0.2	0.2	-0.4	0.4	-0.1	-0.1	1.5	-0.2	-1.3	-1.9	-2.5	-17.5	-0.5	-0.3	100.0	-0.2	2.3	2.7	-0.5	0.8	0.5	10.2	9.4	9.4	5.0	6.1
tty_prod_muR	-4.5	0.3	2.1	1.1	2.4	1.2	3.2	2.3	11.7	2.9	-9.3	-11.6	9.9	-0.6	-0.6	-0.2	100.0	1.6	0.1	0.2	-1.4	1.9	-20.0	-18.4	-18.0	-19.8	-11.3
tty_prod_var3c	-0.4	2.2	2.3	4.5	2.9	4.6	2.5	-1.2	10.9	2.3	-5.9	13.6	45.5	-0.3	1.1	2.3	1.6	100.0	-3.6	2.0	-0.0	-8.4	-31.2	-39.4	-37.0	-35.1	-31.8
highpt_uncalib_ljet	-2.2	-4.0	-4.2	-7.6	-3.1	-6.4	1.0	-16.9	-11.5	-0.2	5.4	-8.3	40.0	-3.2	-7.9	2.7	0.1	-3.6	100.0	-6.0	-19.4	-8.4	-31.8	-21.3	-13.1	-2.5	5.5
Wtγ Norm	-3.2	-0.9	-0.3	-4.1	1.1	-2.9	2.0	-1.7	-0.1	-0.5	-7.6	-1.8	-4.0	-3.1	-1.9	-0.5	0.2	-0.3	-6.0	100.0	-14.2	-5.7	-9.8	-10.6	-13.1	-18.1	-17.2
Wγ Norm	-5.3	-4.7	-4.5	-15.7	-3.2	-9.2	1.7	-1.0	-0.0	-0.0	-4.8	-1.8	-3.3	-5.4	1.2	0.8	-1.4	2.0	-19.4	-14.2	100.0	-22.5	16.6	19.5	20.7	15.4	6.5
Zγ Norm	-3.0	-2.5	-1.7	-7.6	-1.0	-4.0	1.6	0.8	-4.7	-2.1	-4.0	4.5	-9.0	-4.0	-2.4	0.5	1.9	-0.0	-8.4	-5.7	-22.5	100.0	16.8	13.8	13.1	9.1	4.0
tty_drphb Unfolded Truth Bin 1	14.1	-11.7	-7.8	-21.9	-14.1	-25.8	-12.2	1.4	17.4	12.8	7.9	26.5	-58.2	17.6	0.7	10.2	-20.0	-31.2	-31.8	-9.8	16.6	16.8	100.0	82.8	73.8	64.5	51.1
tty_drphb Unfolded Truth Bin 2	18.4	-14.6	-11.6	-28.5	-16.9	-33.5	-14.1	-4.0	0.0	16.5	12.4	-12.2	-51.4	21.0	9.6	9.4	-18.4	-39.4	-21.3	-10.6	19.5	13.8	82.8	100.0	91.7	85.5	73.2
tty_drphb Unfolded Truth Bin 3	18.8	-16.3	-13.4	-33.2	-17.9	-38.1	-14.4	-1.8	-10.8	16.1	13.5	-26.5	-38.8	18.7	15.7	9.4	-18.0	-37.0	-13.1	-13.1	20.7	13.1	73.8	91.7	100.0	91.4	82.0
tty_drphb Unfolded Truth Bin 4	13.7	-16.9	-14.5	-36.5	-18.8	-41.3	-15.5	1.1	-15.5	19.2	16.2	-29.8	-26.0	19.6	17.6	5.0	-19.8	-35.1	-2.5	-18.1	15.4	9.1	64.5	85.5	91.4	100.0	87.2
tty_drphb Unfolded Truth Bin 5	1.3	-16.1	-15.6	-38.5	-18.7	-40.1	-15.6	6.6	-22.2	15.9	19.5	-30.8	-13.4	23.0	27.0	6.1	-11.3	-31.8	5.5	-17.2	6.5	4.0	51.1	73.2	82.0	87.2	100.0