

BTag_B_0	100.0	-0.2	-0.0	0.2	0.3	0.2	-0.1	0.2	-0.0	-0.0	-0.2	-0.1	-0.0	-0.5	-0.1	1.3	0.2	0.0	-0.0	0.1	7.5	4.3	6.6	6.8	7.0	8.9	8.5	10.4
	-0.2	100.0	0.3	-0.0	0.2	0.4	2.3	-1.1	1.6	0.3	-0.3	0.6	0.6	0.1	0.1	1.1	-0.3	0.4	3.6	4.7	8.1	2.2	2.9	4.9	4.3	5.0	6.4	10.0
Electron_Iso_SF_0	-0.0	0.3	100.0	0.1	0.1	0.1	-0.3	0.2	-0.2	-0.0	-0.0	-0.1	-0.1	-0.2	-0.1	0.4	0.2	0.1	-0.1	-0.5	-12.4	-2.8	-5.9	-8.8	-9.3	-9.9	-9.8	-11.3
JET_BJES_Response	0.2	-0.0	0.1	100.0	-0.3	-0.3	0.6	-0.4	0.3	0.1	0.3	0.3	0.2	0.8	0.1	-0.7	-0.5	-0.1	0.4	0.9	-6.9	-6.3	-7.6	-9.3	-8.6	-8.4	-9.2	-10.5
JET_EffectiveNP_Modelling1	0.3	0.2	0.1	-0.3	100.0	-0.4	0.4	-0.3	0.1	0.1	0.3	0.3	0.2	1.0	0.2	-1.3	-0.5	-0.0	0.5	0.7	-6.2	-6.8	-11.0	-10.6	-11.0	-12.0	-10.8	-13.1
JET_EtaIntercalibration_Modelling	0.2	0.4	0.1	-0.3	-0.4	100.0	0.4	-0.3	0.2	0.1	0.3	0.3	0.2	1.0	0.2	-0.7	-0.4	0.0	0.4	0.6	-8.3	-3.3	-7.9	-9.4	-9.5	-9.8	-9.0	-11.0
JET_Flavor_Composition	-0.1	2.3	-0.3	0.6	0.4	0.4	100.0	1.7	-2.0	-0.4	-0.9	-1.0	-0.7	-2.0	-0.3	2.5	2.0	0.3	-1.5	-4.6	-22.6	2.6	-4.4	-9.1	-9.5	-8.7	-9.9	-11.1
JET_Flavor_Response	0.2	-1.1	0.2	-0.4	-0.3	-0.3	1.7	100.0	1.3	0.2	0.8	0.4	0.2	1.3	-0.0	-0.1	-0.8	-0.1	0.8	1.9	7.0	1.2	6.1	7.0	7.6	8.5	10.0	10.4
JET_Pileup_RhoTopology	-0.0	1.6	-0.2	0.3	0.1	0.2	-2.0	1.3	100.0	-0.2	-0.8	-0.4	-0.3	-1.2	0.0	0.3	1.0	0.2	-0.7	-2.4	-22.9	-6.3	-14.6	-18.4	-19.5	-20.0	-21.7	-25.1
Luminosity	-0.0	0.3	-0.0	0.1	0.1	0.1	-0.4	0.2	-0.2	100.0	-0.1	-0.1	-0.1	-0.3	-0.1	0.5	0.3	0.1	-0.1	-0.5	-13.0	-2.8	-6.3	-9.2	-9.8	-10.8	-10.4	-12.2
PileupRW	-0.2	-0.3	-0.0	0.3	0.3	0.3	-0.9	0.8	-0.8	-0.1	100.0	-0.1	-0.0	-1.7	0.4	1.9	0.4	0.1	-0.2	-0.3	20.4	-2.3	1.1	0.5	5.0	12.1	0.3	6.4
Photon_ID	-0.1	0.6	-0.1	0.3	0.3	0.3	-1.0	0.4	-0.4	-0.1	-0.1	100.0	-0.3	-0.8	-0.4	2.4	1.0	0.3	-0.3	-1.8	-26.5	2.9	-1.6	-7.5	-8.5	-9.7	-9.5	-10.7
Photon_effIso	-0.0	0.6	-0.1	0.2	0.2	0.2	-0.7	0.2	-0.3	-0.1	-0.0	-0.3	100.0	-0.4	-0.2	1.3	0.6	0.2	-0.2	-1.2	-26.1	-0.7	-6.6	-12.2	-13.2	-14.6	-14.1	-16.4
hfakeSF	-0.5	0.1	-0.2	0.8	1.0	1.0	-2.0	1.3	-1.2	-0.3	-1.7	-0.8	-0.4	100.0	-0.5	3.4	1.7	0.2	-0.6	-2.1	-8.3	4.2	-4.8	-9.0	-14.9	-20.8	-25.8	-40.9
tty_dec_Herwig7	-0.1	0.1	-0.1	0.1	0.2	0.2	-0.3	-0.0	0.0	-0.1	0.4	-0.4	-0.2	-0.5	100.0	1.5	0.7	0.2	-0.0	-0.9	38.7	18.0	20.5	19.9	15.2	16.2	18.1	17.6
tty_prod_Herwig7	1.3	1.1	0.4	-0.7	-1.3	-0.7	2.5	-0.1	0.3	0.5	1.9	2.4	1.3	3.4	1.5	100.0	-4.3	-1.3	1.0	6.4	0.4	6.1	8.3	-20.6	-39.4	-20.0	-17.5	-1.5
tty_prod_var3c	0.2	-0.3	0.2	-0.5	-0.5	-0.4	2.0	-0.8	1.0	0.3	0.4	1.0	0.6	1.7	0.7	-4.3	100.0	-0.7	0.1	3.5	3.0	-12.3	-4.7	-6.9	-4.4	3.3	-5.9	4.4
uncalib_ljet	0.0	0.4	0.1	-0.1	-0.0	0.0	0.3	-0.1	0.2	0.1	0.1	0.3	0.2	0.2	0.2	-1.3	-0.7	100.0	1.1	1.3	-13.2	-4.0	-8.3	-12.4	-8.8	-11.2	-12.5	-14.1
Wty Norm	-0.0	3.6	-0.1	0.4	0.5	0.4	-1.5	0.8	-0.7	-0.1	-0.2	-0.3	-0.2	-0.6	-0.0	1.0	0.1	1.1	100.0	-0.9	-31.8	-14.8	-18.6	-20.5	-18.9	-20.9	-21.0	-17.2
Zty Norm	0.1	4.7	-0.5	0.9	0.7	0.6	-4.6	1.9	-2.4	-0.5	-0.3	-1.8	-1.2	-2.1	-0.9	6.4	3.5	1.3	-0.9	100.0	-34.0	6.7	-0.4	-11.4	-10.0	-11.4	-8.4	-10.9
Norm factor for tty dec	7.5	8.1	-12.4	-6.9	-6.2	-8.3	-22.6	7.0	-22.9	-13.0	20.4	-26.5	-26.1	-8.3	38.7	0.4	3.0	-13.2	-31.8	-34.0	100.0	-7.3	17.2	32.8	32.1	38.5	36.7	43.2
tty_drphl2 Unfolded Truth Bin 1	4.3	2.2	-2.8	-6.3	-6.8	-3.3	2.6	1.2	-6.3	-2.8	-2.3	2.9	-0.7	4.2	18.0	6.1	-12.3	-4.0	-14.8	6.7	-7.3	100.0	23.1	19.1	14.5	14.7	17.0	15.8
tty_drphl2 Unfolded Truth Bin 2	6.6	2.9	-5.9	-7.6	-11.0	-7.9	-4.4	6.1	-14.6	-6.3	1.1	-1.6	-6.6	-4.8	20.5	8.3	-4.7	-8.3	-18.6	-0.4	17.2	23.1	100.0	23.3	21.0	24.1	25.6	28.8
tty_drphl2 Unfolded Truth Bin 3	6.8	4.9	-8.8	-9.3	-10.6	-9.4	-9.1	7.0	-18.4	-9.2	0.5	-7.5	-12.2	-9.0	19.9	-20.6	-6.9	-12.4	-20.5	-11.4	32.8	19.1	23.3	100.0	35.6	34.9	36.5	36.1
tty_drphl2 Unfolded Truth Bin 4	7.0	4.3	-9.3	-8.6	-11.0	-9.5	-9.5	7.6	-19.5	-9.8	5.0	-8.5	-13.2	-14.9	15.2	-39.4	-4.4	-8.8	-18.9	-10.0	32.1	14.5	21.0	35.6	100.0	37.5	39.0	37.2
tty_drphl2 Unfolded Truth Bin 5	8.9	5.0	-9.9	-8.4	-12.0	-9.8	-8.7	8.5	-20.0	-10.8	12.1	-9.7	-14.6	-20.8	16.2	-20.0	3.3	-11.2	-20.9	-11.4	38.5	14.7	24.1	34.9	37.5	100.0	38.1	43.6
tty_drphl2 Unfolded Truth Bin 6	8.5	6.4	-9.8	-9.2	-10.8	-9.0	-9.9	10.0	-21.7	-10.4	0.3	-9.5	-14.1	-25.8	18.1	-17.5	-5.9	-12.5	-21.0	-8.4	36.7	17.0	25.6	36.5	39.0	38.1	100.0	44.7
tty_drphl2 Unfolded Truth Bin 7	10.4	10.0	-11.3	-10.5	-13.1	-11.0	-11.1	10.4	-25.1	-12.2	6.4	-10.7	-16.4	-40.9	17.6	-1.5	4.4	-14.1	-17.2	-10.9	43.2	15.8	28.8	36.1	37.2	43.6	44.7	100.0
BTag_B_0	100.0	-0.2	-0.0	0.2	0.3	0.2	-0.1	0.2	-0.0	-0.0	-0.2	-0.1	-0.0	-0.5	-0.1	1.3	0.2	0.0	-0.0	0.1	7.5	4.3	6.6	6.8	7.0	8.9	8.5	10.4
BTag_Light_0	-0.2	100.0	0.3	-0.0	0.2	0.4	2.3	-1.1	1.6	0.3	-0.3	0.6	0.6	0.1	0.1	1.1	-0.3	0.4	3.6	4.7	8.1	2.2	2.9	4.9	4.3	5.0	6.4	10.0
Electron_Iso_SF_0	-0.0	0.3	100.0	0.1	0.1	0.1	-0.3	0.2	-0.2	-0.0	-0.0	-0.1	-0.1	-0.2	-0.1	0.4	0.2	0.1	-0.1	-0.5	-12.4	-2.8	-5.9	-8.8	-9.3	-9.9	-9.8	-11.3
JET_BJES_Response	0.2	-0.0	0.1	100.0	-0.3	-0.3	0.6	-0.4	0.3	0.1	0.3	0.3	0.2	0.8	0.1	-0.7	-0.5	-0.1	0.4	0.9	-6.9	-6.3	-7.6	-9.3	-8.6	-8.4	-9.2	-10.5
JET_EffectiveNP_Modelling1	0.3	0.2	0.1	-0.3	100.0	-0.4	0.4	-0.3	0.1	0.1	0.3	0.3	0.2	1.0	0.2	-1.3	-0.5	-0.0	0.5	0.7	-6.2	-6.8	-11.0	-10.6	-11.0	-12.0	-10.8	-13.1
JET_EtaIntercalibration_Modelling	0.2	0.4	0.1	-0.3	-0.4	100.0	0.4	-0.3	0.2	0.1	0.3	0.3	0.2	1.0	0.2	-0.7	-0.4	0.0	0.4	0.6	-8.3	-3.3	-7.9	-9.4	-9.5	-9.8	-9.0	-11.0
JET_Flavor_Composition	-0.1	2.3	-0.3	0.6	0.4	0.4	100.0	1.7	-2.0	-0.4	-0.9	-1.0	-0.7	-2.0	-0.3	2.5	2.0	0.3	-1.5	-4.6	-22.6	2.6	-4.4	-9.1	-9.5	-8.7	-9.9	-11.1
JET_Flavor_Response	0.2	-1.1	0.2	-0.4	-0.3	-0.3	1.7	100.0	1.3	0.2	0.8	0.4	0.2	1.3	-0.0	-0.1	-0.8	-0.1	0.8	1.9	7.0	1.2	6.1	7.0	7.6	8.5	10.0	10.4
JET_Pileup_RhoTopology	-0.0	1.6	-0.2	0.3	0.1	0.2	-2.0	1.3	100.0	-0.2	-0.8	-0.4	-0.3	-1.2	0.0	0.3	1.0	0.2	-0.7	-2.4	-22.9	-6.3	-14.6	-18.4	-19.5	-20.0	-21.7	-25.1
Luminosity	-0.0	0.3	-0.0	0.1	0.1	0.1	-0.4	0.2	-0.2	100.0	-0.1	-0.1	-0.1	-0.3	-0.1	0.5	0.3	0.1	-0.1	-0.5	-13.0	-2.8	-6.3	-9.2	-9.8	-10.8	-10.4	-12.2
PileupRW	-0.2	-0.3	-0.0	0.3	0.3	0.3	-0.9	0.8	-0.8	-0.1	100.0	-0.1	-0.0	-1.7	0.4	1.9	0.4	0.1	-0.2	-0.3	20.4	-2.3	1.1	0.5	5.0	12.1	0.3	6.4
Photon_ID	-0.1	0.6	-0.1	0.3	0.3	0.3	-1.0	0.4	-0.4	-0.1	-0.1	100.0	-0.3	-0.8	-0.4	2.4	1.0	0.3	-0.3	-1.8	-26.5	2.9	-1.6	-7.5	-8.5	-9.7	-9.5	-10.7
Photon_effIso	-0.0	0.6	-0.1	0.2	0.2	0.2	-0.7	0.2	-0.3	-0.1	-0.0	-0.3	100.0	-0.4	-0.2	1.3	0.6	0.2	-0.2	-1.2	-26.1	-0.7	-6.6	-12.2	-13.2	-14.6	-14.1	-16.4
hfakeSF	-0.5	0.1	-0.2	0.8	1.0	1.0	-2.0	1.3	-1.2	-0.3	-1.7	-0.8	-0.4	100.0	-0.5	3.4	1.7	0.2	-0.6	-2.1	-8.3	4.2	-4.8	-9.0	-14.9	-20.8	-25.8	-40.9
tty_dec_Herwig7	-0.1	0.1	-0.1	0.1	0.2	0.2	-0.3	-0.0	0.0	-0.1	0.4	-0.4	-0.2	-0.5	100.0	1.5	0.7	0.2	-0.0	-0.9	38.7	18.0	20.5	19.9	15.2	16.2	18.1	17.6
tty_prod_Herwig7	1.3	1.1	0.4	-0.7	-1.3	-0.7	2.5	-0.1	0.3	0.5	1.9	2.4	1.3	3.4	1.5	100.0	-4.3	-1.3	1.0	6.4	0.4	6.1	8.3	-20.6	-39.4	-20.0	-17.5	-1.5
tty_prod_var3c	0.2	-0.3	0.2	-0.5	-0.5	-0.4	2.0	-0.8	1.0	0.3	0.4	1.0	0.6	1.7	0.7	-4.3	100.0	-0.7	0.1	3.5	3.0	-12.3	-4.7	-6.9	-4.4	3.3	-5.9	4.4
uncalib_ljet	0.0	0.4	0.1	-0.1	-0.0	0.0	0.3	-0.1	0.2	0.1	0.1	0.3	0.2	0.2	0.2	-1.3	-0.7	100.0	1.1	1.3	-13.2	-4.0	-8.3	-12.4	-8.8	-11.2	-12.5	-14.1
Wty Norm	-0.0	3.6	-0.1	0.4	0.5	0.4	-1.5	0.8	-0.7	-0.1	-0.2	-0.3	-0.2	-0.6	-0.0	1.0	0.1	1.1	100.0	-0.9	-31.8	-14.8	-18.6	-20.5	-18.9	-20.9	-21.0	-17.2
Zty Norm	0.1	4.7	-0.5	0.9	0.7	0.6	-4.6	1.9	-2.4	-0.5	-0.3	-1.8	-1.2	-2.1	-0.9	6.4	3.5	1.3	-0.9	100.0	-34.0	6.7	-0.4	-11.4	-10.0	-11.4	-8.4	-10.9
Norm factor for tty dec	7.5	8.1	-12.4	-6.9	-6.2	-8.3	-22.6	7.0	-22.9	-13.0	20.4	-26.5	-26.1	-8.3	38.7	0.4	3.0	-13.2	-31.8	-34.0	100.0	-7.3	17.2	32.8	32.1	38.5	36.7	43.2
tty_drphl2 Unfolded Truth Bin 1	4.3	2.2	-2.8	-6.3	-6.8	-3.3	2.6	1.2	-6.3	-2.8	-2.3	2.9	-0.7	4.2	18.0	6.1	-12.3	-4.0	-14.8	6.7	-7.3	100.0	23.1	19.1	14.5			