

ATLAS Internal																																	
BTag_B_0	100.0	0.3	0.1	-0.1	0.0	0.0	0.1	-0.1	0.1	-0.1	-0.1	-0.0	-0.0	-0.2	-0.1	0.9	-0.1	-2.0	0.5	0.9	0.1	-0.5	-0.8	11.2	10.6	9.6	10.4	9.3	9.7	8.8	9.2		
BTag_Light_0	0.3	100.0	0.1	0.3	-0.3	-0.3	-0.0	1.4	-0.4	0.7	0.7	0.1	0.4	0.6	0.3	-1.8	0.6	1.1	0.8	-1.5	-0.0	1.2	3.4	9.0	8.2	7.9	7.6	6.2	10.7	10.8	10.0		
EG_SCALE_ALL	0.1	0.1	100.0	-0.0	0.0	-0.1	-0.2	-0.5	0.2	-0.3	-0.4	-0.0	-0.0	-0.0	-0.1	0.1	0.8	7.3	-1.0	-0.3	-0.2	-0.5	-0.5	-8.2	-6.0	-7.3	-6.1	-5.2	-6.3	-14.8	-10.1		
Electron_Iso_SF_0	-0.1	0.3	-0.0	100.0	0.1	0.1	0.0	-0.3	0.1	-0.1	-0.1	-0.0	0.0	-0.1	-0.0	0.5	0.1	-0.9	-0.1	0.1	-0.0	-0.1	-0.7	-11.5	-10.1	-11.0	-10.9	-9.9	-10.5	-11.2	-11.1		
JET_BJES_Response	0.0	-0.3	0.0	0.1	100.0	-0.1	-0.1	0.5	-0.2	0.2	0.3	0.1	0.2	0.3	0.1	-1.1	-0.5	3.4	-0.1	-0.7	0.0	0.7	1.5	-12.3	-11.4	-11.7	-12.1	-10.8	-10.4	-9.6	-7.1		
JET_EffectiveNP_Modelling1	0.0	-0.3	-0.1	0.1	-0.1	100.0	-0.1	0.4	-0.1	0.1	0.2	0.1	0.1	0.4	0.2	-0.8	-0.1	7.1	0.1	-0.7	0.0	0.8	1.3	-15.9	-14.5	-14.8	-15.0	-13.6	-14.0	-12.9	-10.2		
JET_EtaIntercalibration_Modelling	0.1	-0.0	-0.2	0.0	-0.1	-0.1	100.0	-0.2	0.0	-0.0	-0.1	-0.0	-0.0	0.1	-0.0	-0.9	0.1	3.2	-0.5	-0.6	-0.1	0.0	0.2	-13.6	-11.5	-12.1	-11.0	-9.3	-9.7	-9.4	-7.9		
JET_Flavor_Composition	-0.1	1.4	-0.5	-0.3	0.5	0.4	-0.2	100.0	0.6	-1.0	-1.3	-0.2	-0.3	-1.0	-0.6	1.1	1.0	-11.5	-0.5	0.4	-0.5	-1.6	-4.5	-13.7	-8.8	-10.8	-8.9	-7.1	-9.5	-10.7	-14.1		
JET_Flavor_Response	0.1	-0.4	0.2	0.1	-0.2	-0.1	0.0	0.6	100.0	0.3	0.3	0.0	-0.1	0.1	-0.0	-0.4	-0.5	-2.8	-0.2	0.2	0.1	-0.2	0.8	11.3	10.0	11.3	10.3	9.7	11.2	11.2	11.4		
JET_Pileup_OffsetNPV	-0.1	0.7	-0.3	-0.1	0.2	0.1	-0.0	-1.0	0.3	100.0	-0.5	-0.1	0.0	-0.3	-0.2	1.1	0.4	4.5	-0.7	0.3	-0.2	-0.4	-1.6	-10.1	-9.5	-9.1	-8.4	-7.9	-8.8	-9.9	-10.8		
JET_Pileup_RhoTopology	-0.1	0.7	-0.4	-0.1	0.3	0.2	-0.1	-1.3	0.3	-0.5	100.0	-0.1	0.1	-0.3	-0.1	0.4	0.6	1.7	0.0	-0.5	-0.3	-0.1	-1.7	-26.8	-24.3	-26.1	-24.9	-22.5	-23.7	-23.7	-23.3		
Luminosity	-0.0	0.1	-0.0	-0.0	0.1	0.1	-0.0	-0.2	0.0	-0.1	-0.1	100.0	0.0	-0.0	-0.0	0.3	0.1	-0.8	0.1	-0.1	-0.0	0.0	-0.3	-12.6	-11.2	-12.1	-11.9	-11.0	-11.3	-12.1	-12.0		
PileupRW	-0.0	0.4	-0.0	0.0	0.2	0.1	-0.0	-0.3	-0.1	0.0	0.1	0.0	100.0	0.2	0.3	0.8	-0.5	10.9	-3.0	1.4	0.3	1.0	0.1	10.2	2.1	6.6	3.4	4.4	5.6	8.1	4.8		
Photon_ID	-0.2	0.6	-0.0	-0.1	0.3	0.4	0.1	-1.0	0.1	-0.3	-0.3	-0.0	0.2	100.0	-0.3	1.3	0.6	-14.7	0.9	0.6	-0.0	-0.1	-1.7	-9.9	-8.6	-9.6	-8.7	-8.3	-9.0	-10.1	-15.4		
Photon_effIso	-0.1	0.3	-0.1	-0.0	0.1	0.2	-0.0	-0.6	-0.0	-0.2	-0.1	-0.0	0.3	-0.3	100.0	-0.2	0.2	-10.0	-0.6	0.7	-0.1	0.6	-0.2	-17.5	-15.5	-17.0	-13.2	-12.0	-13.2	-18.2	-16.0		
hfakeSF_	0.9	-1.8	0.1	0.5	-1.1	-0.8	-0.9	1.1	-0.4	1.1	0.4	0.3	0.8	1.3	-0.2	100.0	-1.5	10.3	1.2	-4.5	-0.8	0.2	4.5	-15.1	-12.0	-13.6	-13.2	-15.9	-16.0	-27.1	-45.5		
ttty_dec_Herwig7	-0.1	0.6	0.8	0.1	-0.5	-0.1	0.1	1.0	-0.5	0.4	0.6	0.1	-0.5	0.6	0.2	-1.5	100.0	9.6	-4.4	-0.8	0.2	0.2	1.2	-14.0	2.2	-1.0	-3.0	3.8	0.5	-10.1	-6.7		
ttty(dec) Norm	-2.0	1.1	7.3	-0.9	3.4	7.1	3.2	-11.5	-2.8	4.5	1.7	-0.8	10.9	-14.7	-10.0	10.3	9.6	100.0	54.2	11.8	1.8	-9.1	-22.3	-39.5	-51.0	-42.9	-40.6	-50.6	-38.1	-44.3	-34.4		
ttty_prod_Herwig7	0.5	0.8	-1.0	-0.1	-0.1	0.1	-0.5	-0.5	-0.2	-0.7	0.0	0.1	-3.0	0.9	-0.6	1.2	-4.4	54.2	100.0	0.2	-0.3	1.3	1.4	-25.4	-39.8	-35.8	-33.2	-50.2	-34.5	-38.2	-29.2		
ttty_prod_var3c	0.9	-1.5	-0.3	0.1	-0.7	-0.7	-0.6	0.4	0.2	0.3	-0.5	-0.1	1.4	0.6	0.7	-4.5	-0.8	11.8	0.2	100.0	-1.0	-2.3	1.0	4.5	-24.0	9.2	-3.3	-3.8	-14.1	-0.9	-4.3		
uncalib_ljet	0.1	-0.0	-0.2	-0.0	0.0	0.0	-0.1	-0.5	0.1	-0.2	-0.3	-0.0	0.3	-0.0	-0.1	-0.8	0.2	1.8	-0.3	-1.0	100.0	-0.1	-0.4	-12.0	-10.7	-13.7	-12.3	-11.2	-12.0	-13.1	-14.0		
Wty Norm	-0.5	1.2	-0.5	-0.1	0.7	0.8	0.0	-1.6	-0.2	-0.4	-0.1	0.0	1.0	-0.1	0.6	0.2	0.2	-9.1	1.3	-2.3	-0.1	100.0	-0.6	-26.7	-23.3	-25.3	-27.5	-20.9	-23.4	-18.0	-13.3		
Zty Norm	-0.8	3.4	-0.5	-0.7	1.5	1.3	0.2	-4.5	0.8	-1.6	-1.7	-0.3	0.1	-1.7	-0.2	4.5	1.2	-22.3	1.4	1.0	-0.4	-0.6	100.0	-6.8	-2.4	-6.3	-8.8	-10.8	-17.9	-14.9	-20.1		
ta_all_syst Unfolded Truth Bin 1	11.2	9.0	-8.2	-11.5	-12.3	-15.9	-13.6	-13.7	11.3	-10.1	-26.8	-12.6	10.2	-9.9	-17.5	-15.1	-14.0	-39.5	-25.4	4.5	-12.0	-26.7	-6.8	100.0	57.4	64.8	60.4	60.1	58.0	64.6	59.8		
ta_all_syst Unfolded Truth Bin 2	10.6	8.2	-6.0	-10.1	-11.4	-14.5	-11.5	-8.8	10.0	-9.5	-24.3	-11.2	2.1	8.6	-15.5	-12.0	2.2	-51.0	-39.8	-24.0	-10.7	-23.3	-2.4	57.4	100.0	58.1	60.7	64.6	62.0	62.9	58.2		
ta_all_syst Unfolded Truth Bin 3	9.6	7.9	-7.3	-11.0	-11.7	-14.8	-12.1	-10.8	11.3	-9.1	-26.1	-12.1	6.6	-9.6	-17.0	-13.6	-1.0	-42.9	-35.8	9.2	-13.7	-25.3	-6.3	64.8	58.1	100.0	57.5	63.8	59.0	64.5	59.0		
ta_all_syst Unfolded Truth Bin 4	10.4	7.6	-6.1	-10.9	-12.1	-15.0	-11.0	-8.9	10.3	-8.4	-24.9	-11.9	3.4	8.7	-13.2	-13.2	-3.0	-40.6	-33.2	-3.3	-12.3	-27.5	-8.8	60.4	60.7	57.5	100.0	58.1	58.0	61.0	56.5		
ta_all_syst Unfolded Truth Bin 5	9.3	6.2	-5.2	-9.9	-10.8	-13.6	-9.3	-7.1	9.7	-7.9	-22.5	-11.0	4.4	-8.3	-12.0	-15.9	3.8	-50.6	-50.2	-3.8	-11.2	-20.9	-10.8	60.1	64.6	63.8	58.1	100.0	60.3	65.7	60.8		
ta_all_syst Unfolded Truth Bin 6	9.7	10.7	-6.3	-10.5	-10.4	-14.0	-9.7	-9.5	11.2	-8.8	-23.7	-11.3	5.6	-9.0	-13.2	-16.0	0.5	-38.1	-34.5	-14.1	-12.0	-23.4	-17.9	58.0	62.0	59.0	58.0	60.3	100.0	61.2	60.3		
ta_all_syst Unfolded Truth Bin 7	8.8	10.8	-14.8	-11.2	-9.6	-12.9	-9.4	-10.7	11.2	-9.9	-23.7	-12.1	8.1	-10.1	-18.2	-27.1	-10.1	-44.3	-38.2	-0.9	-13.1	-18.0	-14.9	64.6	62.9	64.5	61.0	65.7	61.2	100.0	67.5		
ta_all_syst Unfolded Truth Bin 8	9.2	10.0	-10.1	-11.1	-7.1	-10.2	-7.9	-14.1	11.4	-10.8	-23.3	-12.0	4.8	-15.4	-16.0	-45.5	-6.7	-34.4	-29.2	-4.3	-14.0	-13.3	-20.1	59.8	58.2	59.0	56.5	60.8	60.3	67.5	100.0		
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