

ATLAS Internal

	BTag_B_0	100.0	0.3	0.1	-0.1	0.0	0.1	-0.1	-0.4	0.1	-0.1	-0.2	-0.1	-0.3	-0.2	-0.6	-0.5	-2.7	-0.3	0.0	-0.6	-0.4	0.1	-0.9	9.2	10.6	11.4	10.8	10.5	9.2	9.0	
	BTag_Light_0	0.3	100.0	0.0	0.2	0.0	-0.1	0.1	1.2	-0.2	0.4	0.8	0.2	0.5	0.4	0.4	1.3	1.2	2.7	0.2	1.4	0.7	0.6	2.7	7.1	7.3	10.2	5.7	8.0	8.5	8.3	
	EG_SCALE_ALL	0.1	0.0	100.0	0.0	-0.2	-0.1	0.0	0.4	-0.1	-0.0	-0.0	0.0	0.4	0.3	0.2	0.0	8.4	-0.3	-0.5	0.2	-0.1	-0.3	0.6	-11.2	-11.2	-10.1	-10.1	-8.3	-7.4	-5.0	
	Electron_Iso_SF_0	-0.1	0.2	0.0	100.0	0.1	0.1	0.0	-0.4	0.1	-0.1	-0.2	-0.1	-0.2	-0.1	-0.4	-0.2	-1.2	0.0	0.0	-0.7	-0.2	-0.1	-0.9	-7.5	-9.5	-10.6	-11.8	-11.2	-9.5	-8.1	
	JET_BJES_Response	0.0	0.0	-0.2	0.1	100.0	-0.1	0.0	0.5	-0.2	-0.0	0.1	0.1	0.3	0.2	0.6	0.1	4.0	-0.5	-0.1	0.3	0.1	0.1	0.9	-9.7	-10.2	-11.4	-12.1	-10.6	-9.3	-6.8	
	JET_EffectiveNP_Modelling1	0.1	-0.1	-0.1	0.1	-0.1	100.0	-0.1	0.2	0.1	-0.1	-0.0	0.1	0.4	0.2	0.1	0.7	6.3	-2.1	-0.3	-0.6	-0.0	-0.1	0.7	-12.0	-12.7	-13.6	-14.4	-13.5	-11.5	-8.0	
	EtaIntercalibration_Modelling	-0.1	0.1	0.0	0.0	0.0	-0.1	100.0	0.0	0.2	-0.0	0.0	0.0	0.1	0.1	0.1	0.4	1.4	-2.0	-0.2	-0.5	-0.1	-0.1	0.4	-7.6	-8.8	-10.9	-11.5	-10.5	-9.6	-7.4	
	JET_Flavor_Composition	-0.4	1.2	0.4	-0.4	0.5	0.2	0.0	100.0	0.7	-0.4	-1.3	-0.5	-1.5	-1.0	-2.6	-1.1	-11.0	0.8	0.2	-3.3	-0.8	-0.6	-5.4	-3.9	-7.2	-10.5	-10.0	-10.0	-11.1	-9.9	
	JET_Flavor_Response	0.1	-0.2	-0.1	0.1	-0.2	0.1	0.2	0.7	100.0	0.2	0.4	0.1	0.1	0.1	1.0	-0.5	-0.5	1.6	0.2	1.5	0.4	0.3	0.9	6.6	8.3	10.6	9.5	9.7	9.7	7.3	
	JET_Pileup_OffsetNPV	-0.1	0.4	-0.0	-0.1	-0.0	-0.1	-0.0	-0.4	0.2	100.0	-0.4	-0.1	0.0	-0.0	-0.4	0.0	3.4	-1.8	-0.2	-1.2	-0.4	-0.1	-0.7	-8.3	-9.2	-10.2	-10.6	-7.9	-8.2	-5.3	
	JET_Pileup_RhoTopology	-0.2	0.8	-0.0	-0.2	0.1	-0.0	0.0	-1.3	0.4	-0.4	100.0	-0.2	-0.5	-0.3	-1.5	-0.3	1.0	-0.7	-0.2	-2.4	-0.6	-0.5	-2.7	-18.1	-21.2	-24.7	-25.5	-24.0	-21.7	-17.1	
	Luminosity	-0.1	0.2	0.0	-0.1	0.1	0.1	0.0	-0.5	0.1	-0.1	-0.2	100.0	-0.2	-0.1	-0.3	-0.2	-1.2	0.3	0.0	-0.7	-0.2	-0.1	-0.9	-7.9	-10.0	-11.4	-12.6	-12.1	-10.7	-9.1	
	Photon_ID	-0.3	0.5	0.4	-0.2	0.3	0.4	0.1	-1.5	0.1	0.0	-0.5	-0.2	100.0	-0.7	-1.2	-1.4	-13.5	2.5	0.5	-0.7	-0.2	-0.0	-3.1	-3.1	-6.4	-9.4	-11.1	-10.9	-9.4	-8.3	
	Photon_effIso	-0.2	0.4	0.3	-0.1	0.2	0.2	0.1	-1.0	0.1	-0.0	-0.3	-0.1	-0.7	100.0	-0.8	-0.8	-8.2	1.1	0.3	-0.6	-0.2	-0.0	-2.0	-9.3	-12.6	-15.4	-17.1	-16.1	-14.4	-11.8	
	hfakeSF_	-0.6	0.4	0.2	-0.4	0.6	0.1	0.1	-2.6	1.0	-0.4	-1.5	-0.3	-1.2	-0.8	100.0	0.9	-3.8	2.3	-0.0	-6.7	-1.6	-0.7	-4.9	3.9	-3.4	-7.9	-17.6	-20.8	-29.8	-40.7	
	tty_dec_Herwig7	-0.5	1.3	0.0	-0.2	0.1	0.7	0.4	-1.1	-0.5	0.0	-0.3	-0.2	-1.4	-0.8	0.9	100.0	-16.3	2.7	0.4	0.6	-0.2	0.4	-3.2	27.2	15.0	8.4	1.3	-5.2	-0.6	6.8	
	tty(dec) Norm	-2.7	1.2	8.4	-1.2	4.0	6.3	1.4	-11.0	-0.5	3.4	1.0	-1.2	-13.5	-8.2	-3.8	-16.3	100.0	40.0	11.1	11.5	2.2	4.3	-20.9	-78.2	-64.8	-49.4	-41.1	-27.9	-14.3	-7.5	
	tty_prod_Herwig7	-0.3	2.7	-0.3	0.0	-0.5	-2.1	-2.0	0.8	1.6	-1.8	-0.7	0.3	2.5	1.1	2.3	2.7	40.0	100.0	-3.7	-7.0	-2.2	1.9	2.8	-32.4	-35.9	-32.4	-35.2	-27.5	-13.6	-15.0	
	tty_prod_muR	0.0	0.2	-0.5	0.0	-0.1	-0.3	-0.2	0.2	0.2	-0.2	-0.2	0.0	0.5	0.3	-0.0	0.4	11.1	-3.7	100.0	-0.7	-0.3	-0.2	0.4	-8.5	-10.0	-7.0	-6.9	-4.6	-3.8	-3.1	
	tty_prod_var3c	-0.6	1.4	0.2	-0.7	0.3	-0.6	-0.5	-3.3	1.5	-1.2	-2.4	-0.7	-0.7	-0.6	-6.7	0.6	11.5	-7.0	-0.7	100.0	-2.7	-0.6	-6.9	-18.3	4.5	-1.5	0.5	6.0	3.4	-2.6	
	uncalib_ljet	-0.4	0.7	-0.1	-0.2	0.1	-0.0	-0.1	-0.8	0.4	-0.4	-0.6	-0.2	-0.2	-0.2	-1.6	-0.2	2.2	-2.2	-0.3	-2.7	100.0	0.4	-1.6	-10.7	-12.2	-11.3	-10.3	-9.7	-12.9	-12.9	
	Wty Norm	0.1	0.6	-0.3	-0.1	0.1	-0.1	-0.1	-0.6	0.3	-0.1	-0.5	-0.1	-0.0	-0.0	-0.7	0.4	4.3	1.9	-0.2	-0.6	0.4	100.0	-1.0	-31.6	-36.2	-34.0	-27.8	-22.5	-14.1	-5.7	
	Zy Norm	-0.9	2.7	0.6	-0.9	0.9	0.7	0.4	-5.4	0.9	-0.7	-2.7	-0.9	-3.1	-2.0	-4.9	-3.2	-20.9	2.8	0.4	-6.9	-1.6	-1.0	100.0	2.1	-2.7	-8.9	-4.2	-10.3	-11.8	-14.3	
	dr_all_syst Unfolded Truth Bin 1	9.2	7.1	-11.2	-7.5	-9.7	-12.0	-7.6	-3.9	6.6	-8.3	-18.1	-7.9	-3.1	-9.3	3.9	27.2	-78.2	-32.4	-8.5	-18.3	-10.7	-31.6	2.1	100.0	83.3	74.3	64.3	51.1	36.9	29.0	
	dr_all_syst Unfolded Truth Bin 2	10.6	7.3	-11.2	-9.5	-10.2	-12.7	-8.8	-7.2	8.3	-9.2	-21.2	-10.0	-6.4	-12.6	-3.4	15.0	-64.8	-35.9	-10.0	4.5	-12.2	-36.2	-2.7	83.3	100.0	75.2	68.1	57.6	42.5	33.4	
	dr_all_syst Unfolded Truth Bin 3	11.4	10.2	-10.1	-10.6	-11.4	-13.6	-10.9	-10.5	10.6	-10.2	-24.7	-11.4	-9.4	-15.4	-7.9	8.4	-49.4	-32.4	-7.0	-1.5	-11.3	-34.0	-8.9	74.3	75.2	100.0	66.2	58.1	45.6	37.7	
	dr_all_syst Unfolded Truth Bin 4	10.8	5.7	-10.1	-11.8	-12.1	-14.4	-11.5	-10.0	9.5	-10.6	-25.5	-12.6	-11.1	-17.1	-17.6	1.3	-41.1	-35.2	-6.9	0.5	-10.3	-27.8	-4.2	64.3	68.1	66.2	100.0	56.4	45.9	39.4	
	dr_all_syst Unfolded Truth Bin 5	10.5	8.0	-8.3	-11.2	-10.6	-13.5	-10.5	-10.0	9.7	-7.9	-24.0	-12.1	-10.9	-16.1	-20.8	-5.2	-27.9	-27.5	-4.6	6.0	-9.7	-22.5	-10.3	51.1	57.6	58.1	56.4	100.0	42.4	38.1	
	dr_all_syst Unfolded Truth Bin 6	9.2	8.5	-7.4	-9.5	-9.3	-11.5	-9.6	-11.1	9.7	-8.2	-21.7	-10.7	-9.4	-14.4	-29.8	-0.6	-14.3	-13.6	-3.8	3.4	-12.9	-14.1	-11.8	36.9	42.5	45.6	45.9	42.4	100.0	36.7	
	dr_all_syst Unfolded Truth Bin 7	9.0	8.3	-5.0	-8.1	-6.8	-8.0	-7.4	-9.9	7.3	-5.3	-17.1	-9.1	-8.3	-11.8	-40.7	6.8	-7.5	-15.0	-3.1	-2.6	-12.9	-5.7	-14.3	29.0	33.4	37.7	39.4	38.1	36.7	100.0	
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	BTag_Light_0																															
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