ATLAS Internal																														
BTag_B_0	100.0	0.3	0.2	-0.0	0.1	-0.0	-0.2	-0.1	0.1	-0.0	-0.0	-0.0	0.0	-0.1	-0.1	0.0	0.1	-2.8	0.3	-0.3	-0.0	0.1	-0.3	9.5	9.3	9.8	9.3	8.7	10.5	12.1
BTag_Light_0	0.3	100.0	0.1	0.1	0.3	0.1	-0.1	-1.0	0.5	0.1	-0.4	-0.0	0.1	0.1	0.1	-0.3	-0.2	2.1	-0.6	0.7	-0.1	0.5	0.2	11.6	12.7	10.9	9.9	8.9	8.8	11.4
EG_SCALE_ALL	0.2	0.1	100.0	-0.0	-0.2	-0.1	0.2	-0.0	-0.0	-0.2	-0.3	-0.0	-0.2	0.3	0.1	0.7	-0.9	6.5	-1.7	-0.7	-0.1	-1.3	-0.1	-7.3	-6.9	-5.9	-7.2	-7.1	-8.7	-10.1
Electron_lso_SF_0	-0.0	0.1	-0.0	100.0	-0.1	0.0	0.1	0.2	-0.1	-0.0	0.1	-0.0	0.0	-0.0	-0.0	0.0	0.1	-1.3	0.4	0.1	0.0	-0.2	-0.1	-9.3	-10.0	-10.2	-10.8	-10.8	-11.8	-12.5
JET_BJES_Response	0.1	0.3	-0.2	-0.1	100.0	-0.2	-0.1	-0.2	0.1	-0.3	-0.4	-0.0	0.1	0.1	-0.0	0.1	-0.3	4.7	-0.0	-0.2	-0.2	-1.2	-0.7	-7.6	-7.3	-6.9	-8.9	-9.1	-11.0	-12.2
JET_EffectiveNP_Modelling1	-0.0	0.1	-0.1	0.0	-0.2	100.0	0.0	0.7	-0.3	-0.1	0.3	0.0	-0.1	0.2	0.1	-0.1	0.3	7.5	-0.8	0.3	0.1	0.0	0.5	-13.4	-11.9	-12.2	-13.3	-12.7	-15.0	-15.3
ET_EtaIntercalibration_Modelling	-0.2	-0.1	0.2	0.1	-0.1	0.0	100.0	0.7	-0.2	0.1	0.5	0.1	-0.2	0.2	0.2	-0.8	1.0	3.8	1.2	0.5	0.1	1.3	1.2	-12.6	-11.8	-13.1	-13.2	-11.6	-13.0	-11.9
JET_Flavor_Composition	-0.1	-1.0	-0.0	0.2	-0.2	0.7	0.7	100.0	-0.7	0.8	1.0	0.1	-0.5	-0.2	0.1	-2.4	1.4	-14.3	7.6	0.8	0.5	3.2	2.0	-5.0	-12.7	-20.9	-19.1	-19.5	-15.3	-11.5
JET_Flavor_Response	0.1	0.5	-0.0	-0.1	0.1	-0.3	-0.2	-0.7	100.0	-0.5	-0.8	-0.1	0.4	-0.2	-0.3	1.3	-1.2	-0.2	-2.8	-0.6	-0.3	-2.0	-2.0	7.2	11.4	16.2	14.6	14.0	13.2	10.5
JET_Pileup_OffsetNPV	-0.0	0.1	-0.2	-0.0	-0.3	-0.1	0.1	0.8	-0.5	100.0	0.3	0.0	0.2	0.2	0.1	0.1	-0.0	3.0	0.1	0.3	0.1	0.1	0.4	-9.0	-9.1	-9.9	-10.1	-9.5	-11.5	-11.6
JET_Pileup_RhoTopology	-0.0	-0.4	-0.3	0.1	-0.4	0.3	0.5	1.0	-0.8	0.3	100.0	0.1	-0.1	0.2	0.2	-1.2	0.9	-0.1	4.9	0.9	0.4	1.5	1.6	-20.2	-23.6	-28.0	-28.4	-28.4	-28.3	-27.4
Luminosity	-0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.1	0.1	-0.1	0.0	0.1	100.0	-0.0	-0.0	-0.0	0.2	0.2	-0.9	0.8	0.2	0.0	-0.1	-0.0	-10.2	-10.7	-11.2	-12.0	-12.0	-12.9	-13.7
PileupRW	0.0	0.1	-0.2	0.0	0.1	-0.1	-0.2	-0.5	0.4	0.2	-0.1	-0.0	100.0	0.2	0.2	-0.5	1.1	11.0	-2.7	-0.3	-0.2	-0.2	0.3	2.6	8.5	5.4	3.1	10.5	5.4	6.8
Photon_ID	-0.1	0.1	0.3	-0.0	0.1	0.2	0.2	-0.2	-0.2	0.2	0.2	-0.0	0.2	100.0	-0.3	-0.1	0.4	-15.3	2.7	0.4	0.1	-0.0	-0.6	-7.0	-9.7	-11.0	-12.2	-11.5	-10.6	-10.7
Photon_efflso	-0.1	0.1	0.1	-0.0	-0.0	0.1	0.2	0.1	-0.3	0.1	0.2	-0.0	0.2	-0.3	100.0	-0.1	0.3	-9.4	1.7	0.4	0.1	-0.0	-0.3	-13.0	-14.4	-15.7	-16.7	-16.4	-16.9	-17.4
hfakeSF_	0.0	-0.3	0.7	0.0	0.1	-0.1	-0.8	-2.4	1.3	0.1	-1.2	0.2	-0.5	-0.1	-0.1	100.0	2.9	16.0	5.2	1.8	-0.8	-0.1	-1.0	-12.3	-13.5	-15.8	-20.7	-20.8	-25.0	-34.1
tty_dec_Herwig7	0.1	-0.2	-0.9	0.1	-0.3	0.3	1.0	1.4	-1.2	-0.0	0.9	0.2	1.1	0.4	0.3	2.9	100.0	-3.2	-3.5	-3.9	0.3	0.1	1.6	11.1	11.5	1.9	-4.1	-3.6	-2.2	3.6
tty(dec) Norm	-2.8	2.1	6.5	-1.3	4.7	7.5	3.8	-14.3	-0.2	3.0	-0.1	-0.9	11.0	-15.3	-9.4	16.0	-3.2	100.0	44.3	1.8	3.3	-9.8	-22.9	-53.8	-41.5	-24.1	-33.1	-33.0	-37.5	-50.1
tty_prod_Herwig7	0.3	-0.6	-1.7	0.4	-0.0	-0.8	1.2	7.6	-2.8	0.1	4.9	8.0	-2.7	2.7	1.7	5.2	-3.5	44.3	100.0	-2.5	1.4	4.4	8.0	-38.7	-42.2	-28.6	-38.7	-40.3	-34.7	-42.7
tty_prod_var3c	-0.3	0.7	-0.7	0.1	-0.2	0.3	0.5	0.8	-0.6	0.3	0.9	0.2	-0.3	0.4	0.4	1.8	-3.9	1.8	-2.5	100.0	-0.1	0.7	2.1	-9.4	6.2	-4.4	-4.6	-13.2	4.1	-10.4
uncalib_ljet	-0.0	-0.1	-0.1	0.0	-0.2	0.1	0.1	0.5	-0.3	0.1	0.4	0.0	-0.2	0.1	0.1	-0.8	0.3	3.3	1.4	-0.1	100.0	0.5	0.8	-17.2	-18.1	-17.8	-16.1	-12.8	-12.3	-12.0
Wty Norm	0.1	0.5	-1.3	-0.2	-1. <u>2</u>	0.0	1.3	3.2	-2.0	0.1	1.5	-0.1	-0.2	-0.0	-0.0	-0.1	0.1	-9.8	4.4	0.7	0.5	100.0	0.1	-32.8	-33.6	-32.8	-29.2	-28.3	-26.4	-21.0
Zγ Norm	-0.3	0.2	-0.1	-0.1	-0.7	0.5	1.2	2.0	-2.0	0.4	1.6	-0.0	0.3	-0.6	-0.3	-1.0	1.6	-22.9	8.0	2.1	8.0	0.1	100.0	-13.4	-14.5	-21.0	-14.2	-17.7	-12.8	-12.3
dr1_all_syst Unfolded Truth Bin 1	9.5	11.6	-7.3	-9.3	-7.6	-13.4	-12.6	-5.0	7.2	-9.0	-20.2	-10.2	2.6	-7.0	-13.0	-12.3	11.1	-53.8	-38.7	-9.4	-17.2	-32.8	-13.4	100.0	70.3	62.6	64.7	65.4	64.9	72.9
dr1_all_syst Unfolded Truth Bin 2	9.3	12.7	-6.9	-10.0	-7.3	-11.9	-11.8	-12.7	11.4	-9.1	-23.6	-10.7	8.5	-9.7	-14.4	-13.5	11.5	-41.5	-42.2	6.2	-18.1	-33.6	-14.5	70.3	100.0	63.1	65.3	65.0	65.6	70.4
dr1_all_syst Unfolded Truth Bin 3	9.8	10.9	-5.9	-10.2	-6.9	-12.2	-13.1	-20.9	16.2	-9.9	-28.0	-11.2	5.4	-11.0	-15.7	-15.8	1.9	-24.1	-28.6	-4.4	-17.8	-32.8	-21.0	62.6	63.1	100.0	63.1	63.8	61.9	65.2
r1_all_syst Unfolded Truth Bin 4	9.3	9.9	-7.2	-10.8	-8.9	-13.3	-13.2	-19.1	14.6	-10.1	-28.4	-12.0	3.1	-12.2	-16.7	-20.7	-4.1	-33.1	-38.7	-4.6	-16.1	-29.2	-14.2	64.7	65.3	63.1	100.0	66.2	65.2	70.0
r1_all_syst Unfolded Truth Bin 5	;		-7.1			: ;									:		:		:						:					
fr1_all_syst Unfolded Truth Bin 6	10.5	8.8	-8.7	-11.8	-11.0	-15.0	-13.0	-15.3	13.2	-11.5	-28.3	-12.9	5.4	-10.6	-16.9	-25.0	-2.2	-37.5	-34.7	4.1	-12.3	-26.4	-12.8	64.9	65.6	61.9	65.2	64.5	100.0	71.4
r1_all_syst Unfolded Truth Bin 7	12.1	11.4	-10.1	-12.5	-12.2	-15.3	-11.9	-11.5	10.5	-11.6	-27.4	-13.7	6.8	-10.7	-17.4	-34.1	3.6	-50.1	-42.7	-10.4	-12.0	-21.0	-12.3	72.9	70.4	65.2	70.0	71.5	71.4	100.0
	BTag_B_0	BTag_Light_0	EG_SCALE_ALL	Electron_Iso_SF_0	ET_BJES_Response	JET_EffectiveNP_Modelling1	:T_EtaIntercalibration_Modelling	JET_Flavor_Composition	JET_Flavor_Response	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	Luminosity	PileupRW	Photon_ID	Photon_efflso	hfakeSF_	tty_dec_Herwig7	tty(dec) Norm	tty_prod_Herwig7	tty_prod_var3c	uncalib_ljet	Wty Norm	Z _Y Norm	_all_syst Unfolded Truth Bin 1	_all_syst Unfolded Truth Bin 2	1_all_syst Unfolded Truth Bin 3	1_all_syst Unfolded Truth Bin 4	1_all_syst Unfolded Truth Bin 5	1_all_syst Unfolded Truth Bin 6	r1_all_syst Unfolded Truth Bin 7
					,	JET_EI	:T_EtaInte	Ē	7	37	JET													dr1_all_sys	lr1_all_sys	lr1_all_sys	lr1_all_sys.	lr1_all_sys.	lr1_all_sys.	r1_all_sys