ATLAS Internal																											
BTag_B_0	100.0	1.0	-3.1	-0.0	-2.2	-0.2	3.5	0.6	1.4	0.4	-1.0	1.6	-1.0	0.7	-3.5	-4.7	-5.7	-2.1	15.5	12.5	12.1	11.9	11.4	11.9	11.9	9.8	10.4
EG_SCALE_ALL	1.0	100.0	0.5	-0.5	0.0	-0.7	-1.1	-0.8	2.5	0.6	-1.6	3.4	-0.2	0.0	1.2	1.8	-0.8	-2.3	-0.6	-7.8	-8.0	-8.2	-9.3	-12.5	-14.7	-20.2	-13.6
JET_Flavor_Composition	-3.1	0.5	100.0	-0.9	-7.6	-1.7	2.8	3.8	-7.9	-1.0	-5.1	-3.1	2.2	0.7	-3.9	-1.8	-15.5	-12.7	-31.0	-32.8	-32.1	-30.8	-32.5	-30.4	-29.1	-24.3	-19.1
JET_Pileup_OffsetNPV	-0.0	-0.5	-0.9	100.0	-0.9	0.2	0.7	-2.4	-6.2	-0.0	-0.1	-4.1	-0.6	-0.1	-0.1	-0.3	-2.0	-1.0	-6.2	-15.0	-15.9	-15.6	-15.7	-15.9	-15.9	-11.0	-7.3
JET_Pileup_RhoTopology	-2.2	0.0	-7.6	-0.9	100.0	-0.9	0.8	2.9	-3.6	-0.1	-4.0	-3.0	1.4	0.6	-3.7	-1.4	-11.5	-10.1	-36.6	-31.3	-34.0	-32.7	-33.6	-32.3	-33.3	-30.6	-25.4
Photon_ID	-0.2	-0.7	-1.7	0.2	-0.9	100.0	0.1	0.1	-3.6	-0.4	0.1	0.8	2.5	1.1	-1.6	-0.4	-5.7	-4.1	-18.1	-3.7	-4.4	-3.4	-1.7	-2.2	-2.0	-1.0	-5.7
Photon_effIso	3.5	-1.1	2.8	0.7	0.8	0.1	100.0	0.2	-2.6	-1.9	1.5	-2.2	3.8	1.1	4.7	5.1	9.1	4.4	-20.8	-18.2	-18.3	-17.8	-14.5	-14.9	-15.7	-18.2	-14.8
efakeSF_	0.6	-0.8	3.8	-2.4	2.9	0.1	0.2	100.0	-26.5	-5.4	16.4	-24.5	2.4	3.3	-19.7	-3.6	3.7	-1.8	2.9	-4.9	0.1	-0.2	-1.3	2.2	0.3	5.9	15.1
hfakeSF_	1.4	2.5	-7.9	-6.2	-3.6	-3.6	-2.6	-26.5	100.0	-7.7	8.3	-25.1	10.3	-6.6	-14.3	-1.2	-13.3	-5.4	-17.5	14.6	17.7	14.1	4.2	2.2	-1.2	-37.0	-60.3
lepfakeSF_var2	0.4	0.6	-1.0	-0.0	-0.1	-0.4	-1.9	-5.4	-7.7	100.0	2.6	-0.1	2.0	2.6	-2.8	-0.8	0.7	-0.9	1.0	15.8	17.6	17.9	16.3	16.3	10.6	22.1	17.2
tty_dec_Herwig7	-1.0	-1.6	-5.1	-0.1	-4.0	0.1	1.5	16.4	8.3	2.6	100.0	7.7	-2.8	-2.6	2.6	1.4	-5.3	-3.0	56.4	19.4	20.2	21.8	22.4	22.9	21.3	16.9	10.2
tty_prod_Herwig7	1.6	3.4	-3.1	-4.1	-3.0	0.8	-2.2	-24.5	-25.1	-0.1	7.7	100.0	4.0	4.2	-5.3	-1.3	-1.3	7.1	18.7	23.7	13.1	17.0	29.0	23.6	26.6	33.1	35.2
tty_prod_muR	-1.0	-0.2	2.2	-0.6	1.4	2.5	3.8	2.4	10.3	2.0	-2.8	4.0	100.0	-3.1	-0.1	-1.4	0.1	2.8	-12.3	-6.6	-6.2	-4.0	-6.4	-7.7	-8.5	-12.9	-24.6
tty_prod_var3c	0.7	0.0	0.7	-0.1	0.6	1.1	1.1	3.3	-6.6	2.6	-2.6	4.2	-3.1	100.0	3.9	2.7	-0.0	-0.2	10.1	-13.7	-15.4	-12.1	-12.3	-13.0	-1.3	-3.4	-0.8
highpt_uncalib_ljet	-3.5	1.2	-3.9	-0.1	-3.7	-1.6	4.7	-19.7	-14.3	-2.8	2.6	-5.3	-0.1	3.9	100.0	-7.3	-12.9	-9.8	23.5	-23.0	-21.1	-20.8	-18.9	-16.6	-16.9	-9.2	-2.1
Wtγ Norm	-4.7	1.8	-1.8	-0.3	-1.4	-0.4	5.1	-3.6	-1.2	-0.8	1.4	-1.3	-1.4	2.7	-7.3	100.0	-11.3	-7.3	-10.6	-19.1	-18.1	-18.0	-15.5	-13.9	-11.9	-7.6	1.3
Wγ Norm	-5.7	-0.8	-15.5	-2.0	-11.5	-5.7	9.1	3.7	-13.3	0.7	-5.3	-1.3	0.1	-0.0	-12.9	-11.3	100.0	-22.6	12.8	11.2	14.3	10.9	15.8	13.0	5.7	11.8	16.6
Zγ Norm	-2.1	-2.3	-12.7	-1.0	-10.1	-4.1	4.4	-1.8	-5.4	-0.9	-3.0	7.1	2.8	-0.2	-9.8	-7.3	-22.6	100.0	5.9	20.8	16.1	18.3	15.7	19.5	26.0	20.2	6.6
Norm factor for tty dec	15.5	-0.6	-31.0	-6.2	-36.6	-18.1	-20.8	2.9	-17.5	1.0	56.4	18.7	-12.3	10.1	23.5	-10.6	12.8	5.9	100.0	40.4	41.0	42.3	46.3	44.4	47.6	51.6	52.2
tty_eta Unfolded Truth Bin 1	12.5	-7.8	-32.8	-15.0	-31.3	-3.7	-18.2	-4.9	14.6	15.8	19.4	23.7	-6.6	-13.7	-23.0	-19.1	11.2	20.8	40.4	100.0	72.7	73.9	73.3	70.9	67.9	60.0	43.6
tty_eta Unfolded Truth Bin 2	12.1	-8.0	-32.1	-15.9	-34.0	-4.4	-18.3	0.1	17.7	17.6	20.2	13.1	-6.2	-15.4	-21.1	-18.1	14.3	16.1	41.0	72.7	100.0	71.3	72.6	70.5	66.2	57.8	41.5
tty_eta Unfolded Truth Bin 3	11.9	-8.2	-30.8	-15.6	-32.7	-3.4	-17.8	-0.2	14.1	17.9	21.8	17.0	-4.0	-12.1	-20.8	-18.0	10.9	18.3	42.3	73.9	71.3	100.0	69.4	69.9	66.7	59.4	43.2
tty_eta Unfolded Truth Bin 4	11.4	-9.3	-32.5	-15.7	-33.6	-1.7	-14.5	-1.3	4.2	16.3	22.4	29.0	-6.4	-12.3	-18.9	-15.5	15.8	15.7	46.3	73.3	72.6	69.4	100.0	69.9	68.7	64.8	51.3
tty_eta Unfolded Truth Bin 5	11.9	-12.5	-30.4	-15.9	-32.3	-2.2	-14.9	2.2	2.2	16.3	22.9	23.6	-7.7	-13.0	-16.6	-13.9	13.0	19.5	44.4	70.9	70.5	69.9	69.9	100.0	66.0	65.1	51.8
tty_eta Unfolded Truth Bin 6	11.9	-14.7	-29.1	-15.9	-33.3	-2.0	-15.7	0.3	-1.2	10.6	21.3	26.6	-8.5	-1.3	-16.9	-11.9	5.7	26.0	47.6	67.9	66.2	66.7	68.7	66.0	100.0	65.3	54.3
tty_eta Unfolded Truth Bin 7	9.8	-20.2	-24.3	-11.0	-30.6	-1.0	-18.2	5.9	-37.0	22.1	16.9	33.1	-12.9	-3.4	-9.2	-7.6	11.8	20.2	51.6	60.0	57.8	59.4	64.8	65.1	65.3	100.0	76.8
tty_eta Unfolded Truth Bin 8			·····	-7.3				• • • • • •	-60.3	17.2	10.2	35.2	-24.6	-0.8	-2.1	1.3	16.6	6.6	52.2	43.6	41.5	43.2	51.3	51.8	54.3	76.8	100.0
	BTag_B_0	EG_SCALE_ALL	JET_Flavor_Composition	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	Photon_ID	Photon_efflso	efakeSF_	hfakeSF_	lepfakeSF_var2	tty_dec_Herwig7	tty_prod_Herwig7	tty_prod_muR	tty_prod_var3c	highpt_uncalib_ljet	Wty Norm	W _Y Norm	Z _Y Norm	Norm factor for tty dec	tty_eta Unfolded Truth Bin 1	tty_eta Unfolded Truth Bin 2	tty_eta Unfolded Truth Bin 3	tty_eta Unfolded Truth Bin 4	tty_eta Unfolded Truth Bin 5	tty_eta Unfolded Truth Bin 6	tty_eta Unfolded Truth Bin 7	tty_eta Unfolded Truth Bin 8