

EG_SCALE_ALL	100.0	-0.6	-0.5	-0.1	-1.0	-0.8	0.3	1.5	-0.1	0.9	0.2	-1.6	0.1	6.6	0.6	1.3	-0.4	-2.7	0.2	-8.8	-9.1	-9.4	-10.2	-13.8	-16.1	-24.3	-15.3
JET_Flavor_Composition	-0.6	100.0	-22.3	-1.2	-1.5	-0.2	-3.6	-12.4	-2.4	1.5	-2.1	5.6	4.4	11.0	2.3	1.4	-16.5	-4.4	-15.0	-19.5	-18.9	-18.3	-17.6	-16.2	-13.8	-9.1	-4.9
JET_Pileup_RhoTopology	-0.5	-22.3	100.0	-1.1	-0.0	-0.4	-1.1	-11.1	-2.4	1.0	-1.0	7.2	5.0	5.4	6.4	3.3	-12.8	2.3	-20.6	-24.2	-27.2	-26.5	-26.2	-24.3	-23.8	-21.1	-15.3
PileupRW	-0.1	-1.2	-1.1	100.0	0.3	1.0	-6.7	-1.4	-0.7	-0.1	-3.5	0.7	-0.6	-1.9	-1.7	-0.6	-2.7	0.8	20.6	8.8	4.3	9.9	8.2	1.1	6.6	10.7	7.7
Photon_ID	-1.0	-1.5	-0.0	0.3	100.0	-1.1	0.7	-3.9	-0.9	-0.7	-0.5	-0.8	-0.6	-1.0	-1.2	-0.3	-5.3	-8.6	-26.0	-6.4	-6.9	-6.3	-4.3	-4.7	-4.7	-4.2	-9.5
Photon_effiso	-0.8	-0.2	-0.4	1.0	-1.1	100.0	2.4	-2.0	-0.5	-1.6	4.5	0.2	-0.6	-2.4	-3.0	2.2	2.9	-0.0	-28.1	-15.8	-16.0	-15.4	-11.4	-12.3	-12.7	-19.0	-13.8
efakeSF	0.3	-3.6	-1.1	-6.7	0.7	2.4	100.0	-25.2	-3.1	-3.2	6.7	20.7	2.2	-17.1	-34.1	-1.0	1.1	7.4	7.9	5.1	10.1	10.7	10.2	14.9	12.9	18.1	26.6
hfakeSF	1.5	-12.4	-11.1	-1.4	-3.9	-2.0	-25.2	100.0	-4.4	-5.7	6.7	17.2	4.2	-21.1	-11.5	5.2	-15.8	3.6	-1.1	21.6	24.4	22.4	13.2	11.9	10.3	-26.8	-55.6
lepfakeSF_	-0.1	-2.4	-2.4	-0.7	-0.9	-0.5	-3.1	-4.4	100.0	15.1	2.8	-3.1	-1.1	-4.5	-5.6	-2.0	-5.7	-7.0	6.5	4.5	5.1	5.8	4.5	5.7	6.2	6.0	4.1
lepfakeSF_var2	0.9	1.5	1.0	-0.1	-0.7	-1.6	-3.2	-5.7	15.1	100.0	-0.0	2.7	0.4	-6.5	-2.3	-1.0	0.2	-2.2	0.5	11.4	13.1	12.8	11.7	12.2	7.2	16.7	13.0
ttbar_pt_hard	0.2	-2.1	-1.0	-3.5	-0.5	4.5	6.7	6.7	2.8	-0.0	100.0	1.3	2.7	3.6	18.5	-3.1	-6.0	-0.1	-4.2	-1.9	-2.4	-2.1	-0.1	3.2	5.2	1.9	2.8
tty_dec_Herwig7	-1.6	5.6	7.2	0.7	-0.8	0.2	20.7	17.2	-3.1	2.7	1.3	100.0	-6.6	2.0	-1.6	-6.5	-6.3	-21.1	51.6	15.3	15.7	16.9	15.9	16.0	13.8	5.9	-2.6
tty_dec_fsr	0.1	4.4	5.0	-0.6	-0.6	-0.6	2.2	4.2	-1.1	0.4	2.7	-6.6	100.0	-0.6	-6.1	-3.7	-0.7	-5.8	-16.5	-2.4	-1.4	-5.5	-5.4	-6.6	-6.8	-6.2	-7.7
tty_prod_Herwig7	6.6	11.0	5.4	-1.9	-1.0	-2.4	-17.1	-21.1	-4.5	-6.5	3.6	2.0	-0.6	100.0	-10.6	-2.8	1.7	-8.7	8.5	11.3	-0.4	-0.8	12.3	0.4	7.1	12.0	22.1
uncalib_ljet	0.6	2.3	6.4	-1.7	-1.2	-3.0	-34.1	-11.5	-5.6	-2.3	18.5	-1.6	-6.1	-10.6	100.0	-10.2	-5.8	-15.8	11.2	-23.6	-23.0	-23.0	-22.7	-20.6	-23.0	-17.7	-14.1
Wty Norm	1.3	1.4	3.3	-0.6	-0.3	2.2	-1.0	5.2	-2.0	-1.0	-3.1	-6.5	-3.7	-2.8	-10.2	100.0	-12.4	-18.8	-30.6	-28.6	-26.6	-26.7	-25.6	-23.6	-23.3	-19.1	-8.3
Wty Norm	-0.4	-16.5	-12.8	-2.7	-5.3	2.9	1.1	-15.8	-5.7	0.2	-6.0	-6.3	-0.7	1.7	-5.8	-12.4	100.0	-23.6	23.0	12.1	15.1	12.8	17.8	15.2	9.7	19.4	25.3
Zty Norm	-2.7	-4.4	2.3	0.8	-8.6	-0.0	7.4	3.6	-7.0	-2.2	-0.1	-21.1	-5.8	-8.7	-15.8	-18.8	-23.6	100.0	-25.2	8.6	5.6	7.2	1.8	4.7	8.6	0.5	-12.4
Norm factor for tty dec	0.2	-15.0	-20.6	20.6	-26.0	-28.1	7.9	-1.1	6.5	0.5	-4.2	51.6	-16.5	8.5	11.2	-30.6	23.0	-25.2	100.0	40.1	39.2	40.5	41.7	37.3	37.5	40.0	37.1
tty_eta Unfolded Truth Bin 1	-8.8	-19.5	-24.2	8.8	-6.4	-15.8	5.1	21.6	4.5	11.4	-1.9	15.3	-2.4	11.3	-23.6	-28.6	12.1	8.6	40.1	100.0	67.1	68.6	67.1	63.9	62.8	55.0	37.8
tty_eta Unfolded Truth Bin 2	-9.1	-18.9	-27.2	4.3	-6.9	-16.0	10.1	24.4	5.1	13.1	-2.4	15.7	-1.4	-0.4	-23.0	-26.6	15.1	5.6	39.2	67.1	100.0	66.6	67.2	65.6	62.4	54.3	36.7
tty_eta Unfolded Truth Bin 3	-9.4	-18.3	-26.5	9.9	-6.3	-15.4	10.7	22.4	5.8	12.8	-2.1	16.9	-5.5	-0.8	-23.0	-26.7	12.8	7.2	40.5	68.6	66.6	100.0	63.0	64.6	62.0	54.5	37.0
tty_eta Unfolded Truth Bin 4	-10.2	-17.6	-26.2	8.2	-4.3	-11.4	10.2	13.2	4.5	11.7	-0.1	15.9	-5.4	12.3	-22.7	-25.6	17.8	1.8	41.7	67.1	67.2	63.0	100.0	61.6	62.2	57.9	43.9
tty_eta Unfolded Truth Bin 5	-13.8	-16.2	-24.3	1.1	-4.7	-12.3	14.9	11.9	5.7	12.2	3.2	16.0	-6.6	0.4	-20.6	-23.6	15.2	4.7	37.3	63.9	65.6	64.6	61.6	100.0	59.1	57.9	43.5
tty_eta Unfolded Truth Bin 6	-16.1	-13.8	-23.8	6.6	-4.7	-12.7	12.9	10.3	6.2	7.2	5.2	13.8	-6.8	7.1	-23.0	-23.3	9.7	8.6	37.5	62.8	62.4	62.0	62.2	59.1	100.0	57.1	45.0
tty_eta Unfolded Truth Bin 7	-24.3	-9.1	-21.1	10.7	-4.2	-19.0	18.1	-26.8	6.0	16.7	1.9	5.9	-6.2	12.0	-17.7	-19.1	19.4	0.5	40.0	55.0	54.3	54.5	57.9	57.9	57.1	100.0	69.8
tty_eta Unfolded Truth Bin 8	-15.3	-4.9	-15.3	7.7	-9.5	-13.8	26.6	-55.6	4.1	13.0	2.8	-2.6	-7.7	22.1	-14.1	-8.3	25.3	-12.4	37.1	37.8	36.7	37.0	43.9	43.5	45.0	69.8	100.0
EG_SCALE_ALL	JET_Flavor_Composition	JET_Pileup_RhoTopology	PileupRW	Photon_ID	Photon_effiso	efakeSF	hfakeSF	lepfakeSF_	lepfakeSF_var2	ttbar_pt_hard	tty_dec_Herwig7	tty_dec_fsr	tty_prod_Herwig7	uncalib_ljet	Wty Norm	Wty Norm	Zty 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	