

JET_EffectiveNP_Modelling1	BTag_B_0	100.0	0.7	-0.5	-3.0	3.2	-2.5	-0.9	2.0	-1.4	1.0	-0.9	-1.4	0.2	-1.5	-8.8	0.9	1.4	-2.5	3.6	-0.2	-1.0	-0.5	1.7	0.6	-0.8	-3.8	-4.8	-5.0	17.7	13.4	12.9	14.3	7.0
	BTag_Light_0	0.7	100.0	0.5	1.7	-1.6	1.7	0.5	-0.2	0.4	0.6	1.2	0.7	-0.3	0.6	0.8	-0.6	-0.7	0.6	-1.6	0.2	-0.0	0.2	0.5	0.6	4.5	1.2	4.6	2.3	9.8	10.3	10.6	15.5	4.2
	JET_EffectiveNP_Modelling1	-0.5	0.5	100.0	-4.3	3.5	-2.8	-0.6	-0.1	1.6	-4.2	-4.7	-2.0	-1.5	-0.3	0.6	1.6	0.7	-1.6	-0.1	-0.9	-0.1	-0.4	-1.7	-2.3	-0.3	-1.8	-7.4	-4.0	1.0	-10.5	-16.4	-18.1	-3.9
	JET_Flavor_Composition	-3.0	1.7	-4.3	100.0	7.9	-6.6	-1.7	1.4	0.7	-4.0	-6.9	-4.9	-1.2	-3.5	-0.2	2.9	4.2	-4.0	-0.7	-2.0	-1.6	-1.1	-2.0	-2.9	-5.3	-5.7	-16.9	-10.3	-27.6	-35.6	-31.0	-23.7	-1.5
	JET_Flavor_Response	3.2	-1.6	3.5	7.9	100.0	6.4	1.7	-1.5	0.4	4.2	7.0	3.9	1.1	2.1	-0.2	-3.5	4.0	4.6	-4.3	1.8	1.1	1.3	0.9	0.6	1.2	4.7	12.6	8.7	-8.8	5.9	14.3	17.1	4.7
JET_Pileup_RhoTopology	JET_Pileup_RhoTopology	-2.5	1.7	-2.8	-6.6	6.4	100.0	-1.5	0.9	-1.2	-5.7	-7.8	-4.0	-0.8	-1.6	-0.9	3.0	0.8	-3.5	0.8	-1.9	-1.0	-1.3	-0.4	0.2	4.7	-4.1	-11.9	-8.1	-32.4	-37.3	-33.0	-24.8	-13.0
Photon_ID	Photon_ID	-0.9	0.5	-0.6	-1.7	1.7	-1.5	100.0	0.2	-0.3	-2.1	-2.7	-0.8	-0.5	-0.7	-0.9	0.3	-15.0	-1.2	-1.7	0.1	0.9	1.4	0.1	-0.4	-1.9	-1.7	-4.4	-2.8	-3.5	-4.1	-4.4	-5.6	-0.8
Photon_efflso	Photon_efflso	2.0	-0.2	-0.1	1.4	-1.5	0.9	0.2	100.0	0.8	-3.7	-2.3	0.9	-0.7	1.9	2.4	-0.4	-7.5	1.5	-3.7	0.3	1.8	0.8	-1.4	-0.2	-2.6	2.1	1.8	2.5	-12.7	-13.8	-14.1	-16.2	-4.5
Wty_Herwig7	Wty_Herwig7	-1.4	0.4	1.6	0.7	0.4	-1.2	-0.3	0.8	100.0	-1.3	-1.5	-0.9	1.1	0.8	-15.3	0.3	0.9	-0.9	-0.6	-0.0	-0.1	-0.5	3.8	4.9	9.3	-0.1	2.6	0.0	-4.1	2.0	7.6	13.5	-3.6
efakeSF_	efakeSF_	1.0	0.6	-4.2	-4.0	4.2	-5.7	-2.1	-3.7	-1.3	100.0	-39.2	-3.4	-6.6	18.5	9.8	3.6	12.1	-3.5	-20.9	1.7	10.9	2.0	-0.6	3.1	7.1	1.7	-1.9	-4.2	-8.6	-2.4	-0.5	0.7	-7.9
hfakeSF_	hfakeSF_	-0.9	1.2	-4.7	-6.9	7.0	-7.8	-2.7	-2.3	-1.5	-39.2	100.0	-4.0	-6.1	15.0	3.2	3.5	4.9	-5.1	-27.9	-0.2	8.7	1.2	0.5	2.0	10.1	-1.6	-4.2	-9.1	-17.6	-12.5	-7.5	2.3	-9.3
lepfakeSF_	lepfakeSF_	-1.4	0.7	-2.0	-4.9	3.9	-4.0	-0.8	0.9	-0.9	-3.4	-4.0	100.0	4.5	2.3	6.3	1.0	21.1	-2.1	-1.4	-0.2	0.8	1.0	0.7	1.3	-1.4	-3.0	-9.1	-4.9	-1.9	-1.1	1.6	-2.9	0.5
lepfakeSF_var2	lepfakeSF_var2	0.2	-0.3	-1.5	-1.2	1.1	-0.8	-0.5	-0.7	1.1	-6.6	-6.1	4.5	100.0	1.8	-5.0	1.1	-22.2	-1.2	-0.2	-0.7	0.6	-0.7	-1.5	-0.2	4.2	0.1	1.5	-0.6	20.2	19.7	22.0	18.9	1.7
tthbar_pt_hard	tthbar_pt_hard	-1.5	0.6	-0.3	-3.5	2.1	-1.6	-0.7	1.9	0.8	18.5	15.0	2.3	1.8	100.0	-16.0	-2.1	-22.0	0.3	3.9	-0.3	-4.9	-0.2	1.3	-2.3	4.2	-5.9	-6.8	-3.0	8.2	8.8	11.5	17.1	5.4
ttty_dec_Herwig7	ttty_dec_Herwig7	-8.8	0.8	0.6	-0.2	-0.2	-0.9	-0.9	2.4	-15.3	9.8	3.2	6.3	-5.0	-16.0	100.0	-16.6	40.5	17.7	-41.8	18.2	8.7	-11.9	-24.5	3.1	-36.7	9.5	-6.5	-6.4	-29.7	-27.5	-28.1	-24.2	-48.9
ttty_dec_muF	ttty_dec_muF	0.9	-0.6	1.6	2.9	-3.5	3.0	0.3	-0.4	0.3	3.6	3.5	1.0	1.1	-2.1	-16.6	100.0	1.0	2.6	-12.2	1.6	-0.1	1.4	1.1	-1.4	-5.0	-0.3	1.0	2.0	-10.8	-7.4	-5.6	-4.7	4.5
ttty(dec) Norm	ttty(dec) Norm	1.4	-0.7	0.7	4.2	4.0	0.8	-15.0	-7.5	0.9	12.1	4.9	21.1	-22.2	-22.0	40.5	1.0	100.0	-18.1	-34.7	-3.0	17.5	45.5	-9.2	0.5	10.5	7.8	5.5	-6.0	-66.3	-62.6	-55.8	-47.3	-27.7
ttty_dec_var3c	ttty_dec_var3c	-2.5	0.6	-1.6	-4.0	4.6	-3.5	-1.2	1.5	-0.9	-3.5	-5.1	-2.1	-1.2	0.3	17.7	2.6	-18.1	100.0	4.9	-1.0	-0.0	0.0	1.7	1.4	5.9	-2.2	-3.7	-5.3	22.5	20.1	17.9	16.2	-2.5
ttty_prod_Herwig7	ttty_prod_Herwig7	3.6	-1.6	-0.1	-0.7	-4.3	0.8	-1.7	-3.7	-0.6	-20.9	-27.9	-1.4	-0.2	3.9	-41.8	-12.2	-34.7	4.9	100.0	4.0	-0.5	6.0	10.2	-2.9	-17.2	-4.8	0.1	3.4	42.2	32.8	27.3	17.1	25.7
ttty_prod_muF	ttty_prod_muF	-0.2	0.2	-0.9	-2.0	1.8	-1.9	0.1	0.3	-0.0	1.7	-0.2	-0.2	-0.7	-0.3	18.2	1.6	-3.0	-1.0	4.0	100.0	-3.2	-2.2	-0.0	0.5	4.4	-0.0	1.2	-0.7	2.6	4.1	1.4	3.0	-3.7
ttty_prod_muR	ttty_prod_muR	-1.0	-0.0	-0.1	-1.6	1.1	-1.0	0.9	1.8	-0.1	10.9	8.7	0.8	0.6	-4.9	8.7	-0.1	17.5	-0.0	-0.5	-3.2	100.0	-5.9	1.7	0.2	7.1	-1.6	0.9	-0.6	-15.9	-18.8	-17.7	-17.4	-14.0
ttty_prod_var3c	ttty_prod_var3c	-0.5	0.2	-0.4	-1.1	1.3	-1.3	1.4	0.8	-0.5	2.0	1.2	1.0	-0.7	-0.2	-11.9	1.4	45.5	0.0	6.0	-2.2	-5.9	100.0	-0.6	1.3	0.1	1.1	4.3	0.1	-26.8	-25.7	-22.0	-17.3	-6.4
highpt_uncalib_bjet	highpt_uncalib_bjet	1.7	0.5	-1.7	-2.0	0.9	-0.4	0.1	-1.4	3.8	-0.6	0.5	0.7	-1.5	1.3	-24.5	1.1	-9.2	1.7	10.2	-0.0	1.7	-0.6	100.0	-5.4	-33.3	1.1	-5.1	0.2	8.9	7.8	7.4	9.9	9.7
highpt_uncalib_cjet	highpt_uncalib_cjet	0.6	0.6	-2.3	-2.9	0.6	0.2	-0.4	-0.2	4.9	3.1	2.0	1.3	-0.2	-2.3	3.1	-1.4	0.5	1.4	-2.9	0.5	0.2	1.3	-5.4	100.0	-25.9	-1.6	-11.6	-2.8	2.5	2.6	7.7	-23.9	-12.9
highpt_uncalib_ljet	highpt_uncalib_ljet	-0.8	4.5	-0.3	-5.3	1.2	4.7	-1.9	-2.6	9.3	7.1	10.1	-1.4	4.2	4.2	36.7	-5.0	10.5	5.9	-17.2	4.4	7.1	0.1	-33.3	-25.9	100.0	-0.9	-26.1	-4.3	-6.0	-5.1	-4.9	22.1	-79.3
Wty Norm	Wty Norm	-3.8	1.2	-1.8	-5.7	4.7	-4.1	-1.7	2.1	-0.1	1.7	-1.6	-3.0	0.1	-5.9	9.5	-0.3	7.8	-2.2	-4.8	-0.0	-1.6	1.1	1.1	-1.6	-0.9	100.0	-14.2	-10.5	-15.3	-16.8	-20.0	-17.3	-6.6
Wty Norm	Wty Norm	-4.8	4.6	-7.4	-16.9	12.6	-11.9	-4.4	1.8	2.6	-1.9	-4.2	-9.1	1.5	-6.8	-6.5	1.0	5.5	-3.7	0.1	1.2	0.9	4.3	-5.1	-11.6	-26.1	-14.2	100.0	-21.3	5.9	15.5	14.5	6.2	29.6
Zty Norm	Zty Norm	-5.0	2.3	-4.0	-10.3	8.7	-8.1	-2.8	2.5	0.0	-4.2	-9.1	-4.9	-0.6	-3.0	-6.4	2.0	-6.0	-5.3	3.4	-0.7	-0.6	0.1	0.2	-2.8	-4.3	-10.5	-21.3	100.0	9.4	16.8	16.4	11.0	12.3
ttty_ptj1 Unfolded Truth Bin 1	ttty_ptj1 Unfolded Truth Bin 1	17.7	9.8	1.0	-27.6	-8.8	-32.4	-3.5	-12.7	-4.1	-8.6	-17.6	-1.9	20.2	8.2	-29.7	-10.8	-66.3	22.5	42.2	2.6	-15.9	-26.8	8.9	2.5	-6.0	-15.3	5.9	9.4	100.0	88.7	81.9	67.0	29.7
ttty_ptj1 Unfolded Truth Bin 2	ttty_ptj1 Unfolded Truth Bin 2	13.4	10.3	-10.5	-35.6	5.9	-37.3	-4.1	-13.8	2.0	-2.4	-12.5	-1.1	19.7	8.8	27.5	-7.4	-62.6	20.1	32.8	4.1	-18.8	-25.7	7.8	2.6	-5.1	-16.8	15.5	16.8	88.7	100.0	90.5	78.3	32.8
ttty_ptj1 Unfolded Truth Bin 3	ttty_ptj1 Unfolded Truth Bin 3	12.9	10.6	-16.4	-31.0	14.3	-33.0	-4.4	-14.1	7.6	-0.5	-7.5	1.6	22.0	11.5	-28.1	-5.6	-55.8	17.9	27.3	1.4	-17.7	-22.0	7.4	7.7	-4.9	-20.0	14.5	16.4	81.9	90.5	100.0	75.5	32.3
ttty_ptj1 Unfolded Truth Bin 4	ttty_ptj1 Unfolded Truth Bin 4	14.3	15.5	-18.1	-23.7	17.1	-24.8	-5.6	-16.2	13.5	0.7	2.3	-2.9	18.9	17.1	-24.2	-4.7	-47.3	16.2	17.1	3.0	-17.4	-17.3	9.9	-23.9	22.1	-17.3	6.2	11.0	67.0	78.3	75.5	100.0	15.7
ttty_ptj1 Unfolded Truth Bin 5	ttty_ptj1 Unfolded Truth Bin 5	7.0	4.2	-3.9	-1.5	4.7	-13.0	-0.8	-4.5	-3.6	-7.9	-9.3	0.5	1.7	5.4	-48.9	4.5	-27.7	-2.5	25.7	-3.7	-14.0	-6.4	9.7	-12.9	-79.3	-6.6	29.6	12.3	29.7	32.8	32.3	15.7	100.0