

BTag_B_0	100.0	1.1	-4.0	2.9	-0.7	-1.6	-0.5	1.8	1.8	-1.1	-0.5	0.8	0.8	-2.8	-2.2	5.4	-1.9	2.9	0.2	-0.8	-4.5	-2.8	-7.2	-5.1	12.9	13.2	14.5	18.4	15.1
JET_BJES_Response	1.1	100.0	1.8	-1.3	0.4	0.3	0.1	-0.8	-1.1	-1.2	1.0	-0.4	-0.3	0.5	-1.0	0.8	1.0	-1.4	-0.5	0.6	2.2	1.2	2.2	1.1	-9.2	-10.8	-13.7	-16.3	-10.2
JET_Flavor_Composition	-4.0	1.8	100.0	6.6	-1.2	-4.5	-1.4	2.6	0.6	-4.5	-2.1	0.9	-1.2	-5.2	-0.3	-4.6	-5.7	-7.8	0.0	-1.5	-2.7	-4.2	-18.3	-6.9	-33.0	-32.4	-32.3	-31.5	-24.0
JET_Flavor_Response	2.9	-1.3	6.6	100.0	1.6	6.0	1.2	-1.1	0.6	4.0	3.4	-4.0	-0.9	2.8	1.3	-0.9	4.1	3.1	-0.5	-0.5	2.3	5.4	17.6	6.9	11.1	10.1	8.7	5.3	4.2
JET_Pileup_OffsetNPV	-0.7	0.4	-1.2	1.6	100.0	-1.0	0.1	0.4	-0.9	-3.1	-1.4	1.5	-0.3	-1.2	1.7	6.4	-1.9	-6.3	0.4	0.5	1.9	-0.5	-3.8	-0.6	-17.0	-17.0	-16.5	-15.9	-10.9
JET_Pileup_RhoTopology	-1.6	0.3	-4.5	6.0	-1.0	100.0	-1.2	0.0	-1.1	-3.2	-1.3	1.6	0.1	-2.4	-1.4	-5.6	-3.0	-6.3	-0.1	2.4	0.3	-4.8	-15.9	-5.2	-34.5	-34.4	-36.3	-36.5	-25.7
Photon_ID	-0.5	0.1	-1.4	1.2	0.1	-1.2	100.0	0.1	-1.2	-4.2	-0.5	0.1	-0.6	-0.6	0.1	-15.5	-0.9	0.7	-0.5	1.1	-2.0	-1.2	-4.1	-2.0	-3.8	-4.0	-4.0	-4.2	-3.6
Photon_effiso	1.8	-0.8	2.6	-1.1	0.4	0.0	0.1	100.0	-2.9	-2.8	0.2	-0.2	-0.6	2.3	2.3	-7.9	0.8	-3.4	-0.1	2.0	3.0	1.3	2.8	3.1	-15.6	-15.4	-15.2	-14.9	-11.1
efakeSF_	1.8	-1.1	0.6	0.6	-0.9	-1.1	-1.2	-2.9	100.0	-43.6	-3.1	1.8	-3.0	9.8	11.0	1.8	-0.5	-15.1	0.3	2.9	-11.4	1.7	0.9	0.7	3.9	1.4	-0.1	-1.6	-2.0
hfakeSF_	-1.1	-1.2	-4.5	4.0	-3.1	-3.2	-4.2	-2.8	-43.6	100.0	1.5	-4.2	-5.0	15.6	18.8	-3.3	-6.9	-31.1	-0.4	8.4	-26.8	0.4	-4.5	-11.5	-17.5	-20.4	-19.3	-12.4	4.1
lepfakeSF_	-0.5	1.0	-2.1	3.4	-1.4	-1.3	-0.5	0.2	-3.1	1.5	100.0	23.7	1.2	3.1	6.2	10.1	0.5	7.9	1.4	-0.7	-11.7	-1.5	-7.8	-3.9	-0.5	-1.2	0.3	-0.9	-4.8
lepfakeSF_var1	0.8	-0.4	0.9	-4.0	1.5	1.6	0.1	-0.2	1.8	-4.2	23.7	100.0	-2.1	-0.8	-7.1	-8.5	0.4	-9.7	-0.4	-1.2	4.5	1.5	3.6	4.8	-10.1	1.8	-3.2	-5.5	-24.3
lepfakeSF_var2	0.8	-0.3	-1.2	-0.9	-0.3	0.1	-0.6	-0.6	-3.0	-5.0	1.2	-2.1	100.0	1.2	1.8	-16.8	0.2	-5.6	-0.1	-1.4	-0.3	0.2	-0.8	0.3	18.0	15.1	15.7	13.7	15.4
ttbar_pt_hard	-2.8	0.5	-5.2	2.8	-1.2	-2.4	-0.6	2.3	9.8	15.6	3.1	-0.8	1.2	100.0	-4.2	-15.0	-2.7	4.4	-0.8	-1.0	5.6	-3.8	-7.5	-5.8	1.4	4.7	8.5	12.1	11.6
tty_dec_Herwig7	-2.2	-1.0	-0.3	1.3	1.7	-1.4	0.1	2.3	11.0	18.8	6.2	-7.1	1.8	-4.2	100.0	39.8	1.7	5.6	-0.4	-4.9	-2.3	0.3	-7.8	-4.9	-29.6	-33.7	-32.3	-29.1	-9.8
tty(dec) Norm	5.4	0.8	-4.6	-0.9	6.4	-5.6	-15.5	-7.9	1.8	-3.3	10.1	-8.5	-16.8	-15.0	39.8	100.0	-16.1	20.5	-17.9	44.8	29.5	-1.9	-0.7	-8.7	-50.3	-53.8	-49.5	-39.5	-20.7
tty_dec_var3c	-1.9	1.0	-5.7	4.1	-1.9	-3.0	-0.9	0.8	-0.5	-6.9	0.5	0.4	0.2	-2.7	1.7	-16.1	100.0	-3.3	-0.2	0.9	1.0	-3.1	-8.1	-5.4	20.2	22.0	22.2	22.4	15.2
tty_prod_Herwig7	2.9	-1.4	-7.8	3.1	-6.3	-6.3	0.7	-3.4	-15.1	-31.1	7.9	-9.7	-5.6	4.4	5.6	20.5	-3.3	100.0	4.3	-8.6	15.9	-2.0	-4.7	-2.3	12.8	12.8	17.4	16.4	7.5
tty_prod_muF	0.2	-0.5	0.0	-0.5	0.4	-0.1	-0.5	-0.1	0.3	-0.4	1.4	-0.4	-0.1	-0.8	-0.4	-17.9	-0.2	4.3	100.0	2.0	1.1	0.0	0.2	-0.5	8.3	9.5	9.2	8.6	5.0
tty_prod_var3c	-0.8	0.6	-1.5	-0.5	0.5	2.4	1.1	2.0	2.9	8.4	-0.7	-1.2	-1.4	-1.0	-4.9	44.8	0.9	-8.6	2.0	100.0	-2.6	0.6	2.2	-2.3	-25.4	-32.4	-31.1	-22.3	-11.5
highpt_uncalib_ljet	-4.5	2.2	-2.7	2.3	1.9	0.3	-2.0	3.0	-11.4	-26.8	-11.7	4.5	-0.3	5.6	-2.3	29.5	1.0	15.9	1.1	-2.6	100.0	-2.5	-13.4	-6.1	-24.0	-11.5	-5.3	1.1	1.2
Wty Norm	-2.8	1.2	-4.2	5.4	-0.5	-4.8	-1.2	1.3	1.7	0.4	-1.5	1.5	0.2	-3.8	0.3	-1.9	-3.1	-2.0	0.0	0.6	-2.5	100.0	-14.3	-3.9	-8.6	-10.2	-14.2	-22.6	-17.3
Wγ Norm	-7.2	2.2	-18.3	17.6	-3.8	-15.9	-4.1	2.8	0.9	-4.5	-7.8	3.6	-0.8	-7.5	-7.8	-0.7	-8.1	-4.7	0.2	2.2	-13.4	-14.3	100.0	-16.6	25.6	22.9	17.2	8.6	-5.5
Zγ Norm	-5.1	1.1	-6.9	6.9	-0.6	-5.2	-2.0	3.1	0.7	-11.5	-3.9	4.8	0.3	-5.8	-4.9	-8.7	-5.4	-2.3	-0.5	-2.3	-6.1	-3.9	-16.6	100.0	14.6	12.9	10.7	8.7	4.0
tty_drj1 Unfolded Truth Bin 1	12.9	-9.2	-33.0	11.1	-17.0	-34.5	-3.8	-15.6	3.9	-17.5	-0.5	-10.1	18.0	1.4	-29.6	-50.3	20.2	12.8	8.3	-25.4	-24.0	-8.6	25.6	14.6	100.0	93.5	91.8	83.4	54.4
tty_drj1 Unfolded Truth Bin 2	13.2	-10.8	-32.4	10.1	-17.0	-34.4	-4.0	-15.4	1.4	-20.4	-1.2	1.8	15.1	4.7	-33.7	-53.8	22.0	12.8	9.5	-32.4	-11.5	-10.2	22.9	12.9	93.5	100.0	95.3	87.3	54.3
tty_drj1 Unfolded Truth Bin 3	14.5	-13.7	-32.3	8.7	-16.5	-36.3	-4.0	-15.2	-0.1	-19.3	0.3	-3.2	15.7	8.5	-32.3	-49.5	22.2	17.4	9.2	-31.1	-5.3	-14.2	17.2	10.7	91.8	95.3	100.0	89.8	58.7
tty_drj1 Unfolded Truth Bin 4	18.4	-16.3	-31.5	5.3	-15.9	-36.5	-4.2	-14.9	-1.6	-12.4	-0.9	-5.5	13.7	12.1	-29.1	-39.5	22.4	16.4	8.6	-22.3	1.1	-22.6	8.6	8.7	83.4	87.3	89.8	100.0	61.0
tty_drj1 Unfolded Truth Bin 5	15.1	-10.2	-24.0	4.2	-10.9	-25.7	-3.6	-11.1	-2.0	4.1	-4.8	-24.3	15.4	11.6	-9.8	-20.7	15.2	7.5	5.0	-11.5	1.2	-17.3	-5.5	4.0	54.4	54.3	58.7	61.0	100.0

	BTag_B_0
	JET_BJES_Response
	JET_Flavor_Composition
	JET_Flavor_Response
	JET_Pileup_OffsetNPV
	JET_Pileup_RhoTopology
	Photon_ID
	Photon_effiso
	elakeSF_
	hakeSF_
	lepakeSF_
	lepakeSF_var1
	lepakeSF_var2
	ttbar_pt_hard
	ttv_dec_Hewig7
	ttv(dec) Norm
	ttv_dec_var3c
	ttv_prod_Hewig7
	ttv_prod_muF
	ttv_prod_var3c
	highpT_uncatlb_ljet
	Wt1/ Norm
	Wt1 Norm
	Zt/ Norm
	ttv_drl Unfolded Truth Bin 1
	ttv_drl Unfolded Truth Bin 2
	ttv_drl Unfolded Truth Bin 3
	ttv_drl Unfolded Truth Bin 4
	ttv_drl Unfolded Truth Bin 5