	BTag_B_0	BTag_Light_0	Electron_Iso_SF_0	JET_BJES_Response	JET_EffectiveNP_Modelling1	JET_EtaIntercalibration_Modelling	JET_Flavor_Composition	JET_Flavor_Response	JET_Pileup_OffsetNPV	JET_Pileup_RhoTopology	Luminosity	PileupRW	Photon_ID	Photon_effIso	hfakeSF_	tty(dec) Norm	tty_prod_Herwig7	tty_prod_var3c	uncalib_ljet	Wtγ Norm	Zγ Norm	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5	Bin 6	Bin 7
BTag_B_0	100.0	-0.0	-0.0	-0.0	-0.0	-0.0	0.2	-0.1	0.0	0.1	-0.0	0.3	-0.0	-0.0	-0.1	-2.8	1.1	-0.1	-0.1	-0.3	0.2	10.7	10.2	10.5	10.3	9.7	7.9	8.0
BTag_Light_0	-0.0	100.0	0.1	-0.1	-0.2	-0.0	0.8	-0.2	0.0	0.2	0.0	0.1	0.2	0.1	-0.2	0.1	-0.2	-0.2	0.0	-0.1	1.7	12.5	11.2	10.2	8.8	9.2	8.0	7.0
Electron_Iso_SF_0	-0.0	0.1	100.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.0	-0.0	-0.0	-0.1	-0.0	0.0	-0.8	0.1	-0.0	0.0	0.1	-0.4	-11.0	-11.0	-11.7	-12.0	-11.9	-11.4	-11.2
JET_BJES_Response	-0.0	-0.1	0.0	100.0	-0.0	-0.0	-0.2	-0.0	0.0	-0.1	0.0	-0.1	0.1	0.1	0.2	5.1	-0.0	-0.2	0.1	0.5	0.0	-11.4	-11.2	-11.6	-12.0	-10.3	-9.4	-8.3
JET_EffectiveNP_Modelling1	-0.0	-0.2	0.0	-0.0	100.0	0.0	-0.1	-0.0	0.0	-0.0	0.0	-0.1	0.1	0.1	-0.1	8.3	-1.1	-0.2	0.1	0.6	0.3	-15.3	-14.6	-14.8	-13.8	-13.0	-11.2	-9.0
JET_EtaIntercalibration_Modelling	-0.0	-0.0	0.0	-0.0	0.0	100.0	-0.3	-0.0	0.1	-0.0	-0.0	-0.1	0.1	0.1	0.3	5.2	-0.3	-0.3	0.2	0.9	-0.3	-13.2	-13.0	-12.9	-11.9	-10.9	-7.5	-7.6
JET_Flavor_Composition	0.2	0.8	-0.2	-0.2	-0.1	-0.3	100.0	0.9	-0.3	-1.6	-0.2	-0.4	-0.5	-0.4	1.1	-7.9	1.3	0.6	-0.5	0.1	-6.6	-14.5	-15.0	-13.4	-10.6	-9.9	-6.5	-5.0
JET_Flavor_Response	-0.1	-0.2	0.0	-0.0	-0.0	-0.0	0.9	100.0	0.0	0.3	0.0	0.4	0.0	0.0	-0.3	-4.5	0.5	-0.2	-0.1	-0.6	1.4	14.2	12.8	12.3	10.1	9.4	7.1	5.2
JET_Pileup_OffsetNPV	0.0	0.0	0.0	0.0	0.0	0.1	-0.3	0.0	100.0	-0.0	0.0	-0.2	0.1	0.1	0.3	5.0	-0.1	0.5	0.1	1.0	-0.3	-12.0	-11.6	-11.3	-11.1	-9.6	-9.7	-6.3
JET_Pileup_RhoTopology	0.1	0.2	-0.0	-0.1	-0.0	-0.0	-1.6	0.3	-0.0	100.0	-0.0	-0.5	-0.1	-0.0	0.7	4.6	-0.0	0.5	0.1	1.2	-2.6	-29.1	-28.3	-28.4	-26.2	-23.3	-19.2	-15.9
Luminosity	-0.0	0.0	-0.0	0.0	0.0	-0.0	-0.2	0.0	0.0	-0.0	100.0	0.0	-0.0	-0.0	-0.2	-0.3	0.2	0.1	0.0	0.2	-0.3	-12.7	-12.7	-13.0	-12.8	-11.9	-10.8	-9.9
PileupRW	0.3	0.1	-0.0	-0.1	-0.1	-0.1	-0.4	0.4	-0.2	-0.5	0.0	100.0	0.1	0.1	0.4	10.4	-4.5	0.2	0.1	0.0	-0.6	3.5	8.4	7.5	8.5	10.1	11.4	3.3
Photon_ID	-0.0	0.2	-0.1	0.1	0.1	0.1	-0.5	0.1	0.1	-0.1	-0.0	0.1	100.0	-0.2	0.2	-15.0	1.0	0.3	0.0	-0.1	-1.2	-10.1	-10.5	-10.7	-10.9	-10.6	-10.0	-9.9
Photon_effIso	-0.0	0.1	-0.0	0.1	0.1	0.1	-0.4	0.0	0.1	-0.0	0.0	0.1	-0.2	100.0	0.2	-8.5	0.8	0.3	0.1	0.2	-0.8	-16.4	-16.8	-17.1	-17.2	-16.1	-14.9	-14.2
hfakeSF_	-0.1	-0.2	0.0	0.2	-0.1	0.3	1.1	-0.3	0.3	0.7	0.2	0.4	0.2	0.2	100.0	14.6	-0.7	-0.0	-0.0	-0.0	2.3	-26.9	-25.3	-24.3	-23.1	-20.4	-16.3	-12.6
tty(dec) Norm	-2.8	0.1	-0.8	5.1	8.3	5.2	-7.9	-4.5	5.0	4.6	-0.3	10.4	-15.0	-8.5	14.6	100.0	53.0	10.5	4.1	-4.7	-14.2	-49.1	-51.0	-54.4	-55.1	-52.9	-40.9	-23.9
tty_prod_Herwig7	1.1	-0.2	0.1	-0.0	-1.1	-0.3	1.3	0.5	-0.1	-0.0	0.2	-4.5	1.0	0.8	-0.7	53.0	100.0	-4.4	0.5	1.5	3.8	-33.5	-36.9	-40.1	-39.0	-44.0	-32.5	-13.6
tty_prod_var3c	-0.1	-0.2	-0.0	-0.2	-0.2	-0.3	0.6	-0.2	0.5	0.5	0.1	0.2	0.3	0.3	-0.0	10.5	-4.4	100.0	0.7	0.9	1.1	-6.6	-9.5	-3.5	-4.8	-0.6	0.4	2.9
uncalib_ljet	-0.1	0.0	0.0	0.1	0.1	0.1	-0.5	-0.1	0.1	0.1	0.0	0.1	0.0	0.1	-0.0	4.1	0.5	0.7	100.0	1.5	-0.1	-18.3	-17.3	-12.7	-13.1	-13.1	-8.4	-7.6
Wtγ Norm	-0.3	-0.1	0.1	0.5	0.6	0.9	0.9	-0.6	1.0	1.2	0.2	0.0	-0.1	0.2	-0.0	-4.7	1.5	0.9	1.5	100.0	0.3	-27.3	-27.9	-26.8	-24.1	-20.8	-17.4	-14.4
Zγ Norm	0.2	1.7	-0.4	0.0	-0.3	-0.3	-6.6	1.4	-0.3	-2.6	-0.3	-0.6	-1.2	-0.8	2.3	-14.2	3.8	1.1	-0.1	0.3	100.0	-24.6	-21.9	-11.7	-6.3	-1.7	-0.8	-1.0
all_all_syst Unfolded Truth Bin 1	10.7	12.5	-11.0	-11.4	-15.3	-13.2	-14.5	14.2	-12.0	-29.1	-12.7	3.5	-10.1	-16.4	-26.9	-49.1	-33.5	-6.6	-18.3	-27.3	-24.6	100.0	83.2	79.6	74.4	68.2	54.5	40.7
all_all_syst Unfolded Truth Bin 2	10.2	11.2	-11.0	-11.2	-14.6	-13.0	-15.0	12.8	-11.6	-28.3	-12.7	8.4	-10.5	-16.8	-25.3	-51.0	-36.9	-9.5	-17.3	-27.9	-21.9	83.2	100.0	80.4	76.0	69.9	55.9	40.9
all_all_syst Unfolded Truth Bin 3	10.5	10.2	-11.7	-11.6	-14.8	-12.9	-13.4	12.3	-11.3	-28.4	-13.0	7.5	-10.7	-17.1	-24.3	-54.4	-40.1	-3.5	-12.7	-26.8	-11.7	79.6	80.4	100.0	75.3	70.2	56.4	40.9
all_all_syst Unfolded Truth Bin 4	10.3	8.8	-12.0	-12.0	-13.8	-11.9	-10.6	10.1	-11.1	-26.2	-12.8	8.5	-10.9	-17.2	-23.1	-55.1	-39.0	-4.8	-13.1	-24.1	-6.3	74.4	76.0	75.3	100.0	68.9	55.7	39.8
all_all_syst Unfolded Truth Bin 5	9.7	9.2	-11.9	-10.3	-13.0	-10.9	-9.9	9.4	-9.6	-23.3	-11.9	10.1	-10.6	-16.1	-20.4	-52.9	-44.0	-0.6	-13.1	-20.8	-1.7	68.2	69.9	70.2	68.9	100.0	53.0	37.3
all_all_syst Unfolded Truth Bin 6	7.9	8.0	-11.4	-9.4	-11.2	-7.5	-6.5	7.1	-9.7	-19.2	-10.8	11.4	-10.0	-14.9	-16.3	-40.9	-32.5	0.4	-8.4	-17.4	-0.8	54.5	55.9	56.4	55.7	53.0	100.0	30.8
all_all_syst Unfolded Truth Bin 7	8.0	7.0	-11.2	-8.3	-9.0	-7.6	-5.0	5.2	-6.3	-15.9	-9.9	3.3	-9.9	-14.2	-12.6	-23.9	-13.6	2.9	-7.6	-14.4	-1.0	40.7	40.9	40.9	39.8	37.3	30.8	100.0