JET Pileup OffsetNPV

JET_Pileup_RhoTopology

Luminosity

PileupRW

Photon_ID

hfakeSF

Photon_efflso

tty_dec_Herwig7

tty_prod_Herwig7

drlj_all_syst Unfolded Truth Bin 1 drlj_all_syst Unfolded Truth Bin 2

drlj_all_syst Unfolded Truth Bin 3

drlj_all_syst Unfolded Truth Bin 4
drlj_all_syst Unfolded Truth Bin 5

tty_prod_var3c

uncalib_ljet

tty(dec) Norm

0.3

-0.0 : -0.7

0.2

-2.7 : 2.9

0.3 : 0.1

0.1 0.3

13.2 : 9.3

-0.0 -0.1

BTag_Light_0

0.6

-0.3 -0.3 -0.4 -0.5 -0.4 -0.7 0.5

-0.2 : -0.3 : -0.2 : -0.4 : -0.3 : -0.8 : 0.4 : -0.3 : -0.8

-0.1 : -0.4 : -0.1 : -0.3 : -0.3

-04 : -03 : -04 : -05 : -04 : -03 : 03 : -04 : -09 : -02 : 05 : -01 : -03

0.4 : 0.2

0.1 : 0.7

-0.3 -0.2 -0.4 <mark>-0.0 -0.4 -0.1 -0.5 -0.6 -0.4 -0.5 -0.5 -0.6 -0.5</mark>

-0.2 : -0.1

-10.0 : -11.6

0.1 0.0 0.1

0.0

EG_SCALE_ALL

-2.5 : -3.0

: -12.8

JET_BJES_Response

0.4 : 1.2 : -0.6 : 0.3 : 1.1 : 0.4

-2.9

-0.2

-0.2

-0.5

BTag_B_0	100.0	-0.2	0.1	0.1	0.2	0.2	0.2	0.4	-0.2	0.3	0.5	0.1	-0.0	0.1	0.2	0.2	0.0	-2.7	1.5	0.3	0.1	8.6	12.0	13.2	10.7	-0.0
BTag_Light_0	-0.2	100.0	0.3	0.4	0.3	0.5	0.4	1.1	-0.6	0.4	1.1	0.4	-0.7	0.6	0.7	0.6	-0.9	2.9	1.5	0.1	0.3	9.2	9.9	9.3	11.4	-0.1
EG_SCALE_ALL	0.1	0.3	100.0	-0.1	-0.2	-0.3	-0.2	-0.2	0.2	-0.3	-0.5	-0.2	0.1	-0.1	-0.2	-0.4	-0.2	6.3	-1.4	-0.5	-0.1	-8.3	-10.2	-10.0	-7.4	0.0
Electron_Iso_SF_0	0.1	0.4	-0.1	100.0	-0.2	-0.3	-0.3	-0.7	0.4	-0.3	-0.8	-0.3	0.4	-0.4	-0.4	-0.3	0.1	-1.9	-1.2	-0.3	-0.2	-11.5	-12.5	-11.6	-8.7	0.1
JET_BJES_Response	0.2	0.3	-0.2	-0.2	100.0	-0.3	-0.3	-0.3	0.3	-0.4	-0.7	-0.2	0.2	-0.1	-0.2	-0.4	0.7	3.7	-2.5	-0.2	-0.1	-8.6	-11.6	-12.8	-10.1	0.0
JET_EffectiveNP_Modelling1	0.2	0.5	-0.3	-0.3	-0.3	100.0	-0.4	-0.9	0.6	-0.5	-1.1	-0.4	0.4	-0.3	-0.5	-0.5	0.1	6.4	-3.0	-0.4	-0.2	-13.2	-14.6	-13.2	-9.8	0.1
ET_EtaIntercalibration_Modelling	0.2	0.4	-0.2	-0.3	-0.3	-0.4	100.0	-0.7	0.5	-0.4	-0.9	-0.3	0.4	-0.3	-0.4	-0.4	0.8	2.5	-2.9	-0.0	-0.2	-10.5	-11.4	-11.8	-9.1	0.1
JET_Flavor_Composition	0.4	1.1	-0.2	-0.7	-0.3	-0.9	-0.7	100.0	1.2	-0.7	-2.1	-0.8	1.2	-1.4	-1.4	-0.3	0.4	-16.2	-2.2	-0.4	-0.6	-16.2	-9.4	-4.4	-4.4	0.2
JET_Flavor_Response	-0.2	-0.6	0.2	0.4	0.3	0.6	0.5	1.2	100.0	0.5	1.2	0.4	-0.6	0.5	0.6	0.3	-0.8	0.5	3.5	-0.1	0.3	12.4	10.1	6.9	5.3	-0.1

-1.0 -0.3 0.3 -0.3 -0.5 -0.4 0.2 1.9 -2.8 -0.5

-1.0

0.7 ; 0.8 ; 0.5 ; -1.9

-0.8

0.5 : -0.9 : -2.0 : 11.5 : 57.2

-0.3 : -0.3

0.1 0.1 0.1

Photon_ID Photon_efflso

0.4 -0.4 -0.5 -0.2 0.1

12.5 : -15.5 : -10.1 : 13.3 : 26.0

0.3

0.1 : -1.9 : -0.0 : 0.1

-0.9

-1.0

-2.8

-5.7

-0.5 -0.2

-25.5

JET_Pileup_RhoTopology

Luminosity

0.5 -0.3 -1.0 -0.4 0.7

3.5

0.3 -0.2

10.1

6.9 -8.8 -22.6 -12.0 6.9 -10.7 -16.2 -23.5 -23.1 -59.2

-0.1

0.1 0.2 0.1 -0.1

JET_Pileup_OffsetNPV

0.4 -0.8

-0.6

-9.4

0.1 0.2

JET_Flavor_Composition
JET_Flavor_Response

-9.9 : -8.8

-28.5 -23.5 -19.2

-52.3 : -59.1 : -59.2 : -50.7 :

-10.5 0.8

-25.3 -11.8

75.5 100.0

-0.4 -0.4

E.

all_syst Unfolded Truth

drlj_all_syst Unfolded Truth Bin

73.8

-120: -92

: -10.7 :

-37.3

-10.4 3.7

-4.3 : -2.0 : 0.0

63.5

57.9

B.

rlj_all_syst Unfolded Truth

-0.4 -0.3

-0.4

Bin 5

-10.0

-0.2

-5.7

1.3 : -0.5 : 0.3 : 4.5

-10.1 -0.9

04 133 -20 -05 -03

-0.3

-28.5 : -20.1

hfakeSF

0.0

-0.0 0.2 0.3 0.1 0.0

tty_dec_Herwig7

tty(dec) Norm

-0.4 : -0.2

-9.2

4.6 : -0.4 : -38.2

-0.3

4.6

-0.4

-37.3 : -10.4

tty_prod_var3c

tty_prod_Herwig7

-4.3