

ATLAS Internal

JET EffectiveNP Modelling1	100.0	-7.1	-15.4	8.2	-4.5	-11.8	0.7	-0.8	-0.2	1.3	2.0	0.3	0.1	-1.9	-1.4	1.1	-3.0	-0.2	-0.2	-1.1	-3.8	4.1	2.5	1.3
JET EtaIntercalibration Modelling	-7.1	100.0	-16.1	6.7	-2.9	-14.0	8.4	3.1	-1.2	-3.4	7.8	-0.8	0.1	-1.0	-1.1	1.4	-2.7	-0.0	-0.0	-1.4	-3.4	-0.6	2.0	1.4
JET Flavor Composition	-15.4	-16.1	100.0	30.0	-11.7	-41.3	0.3	-4.6	-2.8	5.0	2.8	-1.5	-0.2	1.9	1.6	0.8	-5.4	0.4	0.3	-3.3	1.8	1.4	-7.2	-4.8
JET Flavor Response	8.2	6.7	30.0	100.0	5.3	18.7	0.9	2.4	2.0	-1.1	-4.0	-0.2	0.0	-0.0	-0.0	-1.6	4.9	0.1	0.1	2.2	1.4	-3.9	1.1	1.5
JET JER Effective NP 1	-4.5	-2.9	-11.7	5.3	100.0	-1.8	-3.0	-2.2	1.8	3.0	-5.5	6.9	0.0	0.5	-0.3	-0.3	-0.1	-0.1	-0.1	-0.0	0.4	-26.7	5.9	-1.3
JET Pileup RhoTopology	-11.8	-14.0	-41.3	18.7	-1.8	100.0	-1.4	-3.9	-0.4	2.3	10.5	-9.8	0.0	-1.1	0.3	5.4	-11.9	-0.1	-0.0	-6.9	-3.7	8.8	4.4	10.7
MET soft-track reso. par.	0.7	8.4	0.3	0.9	-3.0	-1.4	100.0	-14.3	8.6	17.9	-22.0	-0.1	0.1	-0.3	0.2	0.3	-2.6	-0.1	-0.0	-2.5	-0.1	29.2	-0.3	0.7
MET soft-track reso. perp.	-0.8	3.1	-4.6	2.4	-2.2	-3.9	-14.3	100.0	4.5	3.6	-10.8	0.2	0.0	0.7	1.0	0.8	-2.4	0.1	0.1	-1.4	4.8	24.8	-1.4	-2.2
MET soft-track scale	-0.2	-1.2	-2.8	2.0	1.8	-0.4	8.6	4.5	100.0	-4.9	10.0	-0.8	0.0	-0.4	-0.3	-0.1	0.3	-0.1	-0.1	1.1	0.0	37.7	0.7	-0.4
Zy MUF	1.3	-3.4	5.0	-1.1	3.0	2.3	17.9	3.6	-4.9	100.0	26.6	12.9	-0.0	2.1	1.6	5.1	-7.0	0.1	-0.0	0.8	9.2	60.6	-4.8	-1.9
Zy MUR	2.0	7.8	2.8	-4.0	-5.5	10.5	-22.0	-10.8	10.0	26.6	100.0	-0.1	-0.2	-0.1	0.1	-5.7	8.4	0.1	0.0	1.9	0.3	35.8	-3.1	1.9
b-tag eigenvar. B00	0.3	-0.8	-1.5	-0.2	6.9	-9.8	-0.1	0.2	-0.8	12.9	-0.1	100.0	0.1	0.8	3.5	-1.2	2.3	0.0	0.2	-0.4	-3.2	3.0	-8.2	-26.2
efake 4th order Bernstein Poly.	0.1	0.1	-0.2	0.0	0.0	0.0	0.1	0.0	0.0	-0.0	-0.2	0.1	100.0	-0.1	-0.0	-0.0	-0.0	0.0	-0.0	-0.0	0.4	-0.1	28.7	-0.1
jfake heavy flavor overall uncert.	-1.9	-1.0	1.9	-0.0	0.5	-1.1	-0.3	0.7	-0.4	2.1	-0.1	0.8	-0.1	100.0	4.3	-0.1	-0.0	-0.0	0.1	-1.8	1.7	0.2	0.4	-44.7
jfake heavy flavor stat. uncert.	-1.4	-1.1	1.6	-0.0	-0.3	0.3	0.2	1.0	-0.3	1.6	0.1	3.5	-0.0	4.3	100.0	0.3	-0.4	0.1	0.2	-1.7	2.3	0.5	1.0	-41.8
Electron isol. SF	1.1	1.4	0.8	-1.6	-0.3	5.4	0.3	0.8	-0.1	5.1	-5.7	-1.2	-0.0	-0.1	0.3	100.0	5.1	0.0	0.0	2.0	0.2	-11.1	-11.3	-25.9
Muon isolation syst. SF	-3.0	-2.7	-5.4	4.9	-0.1	-11.9	-2.6	-2.4	0.3	-7.0	8.4	2.3	-0.0	-0.0	-0.4	5.1	100.0	-0.0	-0.0	-4.4	-0.8	-27.0	-11.8	-24.6
Photon identification SF	-0.2	-0.0	0.4	0.1	-0.1	-0.1	-0.1	0.1	-0.1	0.1	0.1	0.0	0.0	-0.0	0.1	0.0	-0.0	100.0	0.0	-0.2	-0.5	-19.0	-9.4	-23.6
Photon efficiency isolation SF	-0.2	-0.0	0.3	0.1	-0.1	-0.0	-0.0	0.1	-0.1	-0.0	0.0	0.2	-0.0	0.1	0.2	0.0	-0.0	0.0	100.0	-0.2	0.0	-16.2	-11.9	-26.9
Pile-up SF	-1.1	-1.4	-3.3	2.2	-0.0	-6.9	-2.5	-1.4	1.1	0.8	1.9	-0.4	-0.0	-1.8	-1.7	2.0	-4.4	-0.2	-0.2	100.0	2.8	10.6	3.0	23.5
tty PS model	-3.8	-3.4	1.8	1.4	0.4	-3.7	-0.1	4.8	0.0	9.2	0.3	-3.2	0.4	1.7	2.3	0.2	-0.8	-0.5	0.0	2.8	100.0	4.9	-9.2	-21.9
mu_Zy	4.1	-0.6	1.4	-3.9	-26.7	8.8	29.2	24.8	37.7	60.6	35.8	3.0	-0.1	0.2	0.5	-11.1	-27.0	-19.0	-16.2	10.6	4.9	100.0	2.5	20.7
mu_efake	2.5	2.0	-7.2	1.1	5.9	4.4	-0.3	-1.4	0.7	-4.8	-3.1	-8.2	28.7	0.4	1.0	-11.3	-11.8	-9.4	-11.9	3.0	-9.2	2.5	100.0	11.9
mu_tty	1.3	1.4	-4.8	1.5	-1.3	10.7	0.7	-2.2	-0.4	-1.9	1.9	-26.2	-0.1	-44.7	-41.8	-25.9	-24.6	-23.6	-26.9	23.5	-21.9	20.7	11.9	100.0
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MET soft-track scale																								
Zy MUF																								
Zy MUR																								
b-tag eigenvar. B00																								
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Muon isolation syst. SF																								
Photon identification SF																								
Photon efficiency isolation SF																								
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