

JET EffectiveNP Modelling1	100.0	-8.1	-16.7	9.9	-4.3	0.6	-12.9	3.2	-0.4	0.0	2.3	0.7	-0.1	0.1	-0.4	-0.3	1.3	-2.9	-0.1	-0.1	-1.4	-3.1	4.7	1.5	-0.3	3.6
JET EtainterCalibration Modelling	-8.1	100.0	-16.5	7.2	-3.9	-0.3	-13.9	9.6	2.5	-2.1	-4.6	4.8	-0.3	0.1	-0.2	-0.1	1.6	-2.9	0.1	0.0	-1.1	-4.7	-2.3	2.2	0.9	-1.8
JET Flavor Composition	-16.7	-16.5	100.0	31.7	-7.5	5.0	-41.1	-1.0	-5.1	-3.7	3.5	3.9	-6.1	-0.2	0.2	0.1	0.2	-5.1	0.3	0.1	-2.9	1.2	-2.0	-3.7	-2.6	-0.5
JET Flavor Response	9.9	7.2	31.7	100.0	3.1	-2.3	19.8	-0.3	1.9	2.2	-1.6	-4.8	2.3	0.1	0.4	0.8	-1.5	4.6	0.0	0.1	2.4	0.5	-3.6	0.4	1.0	3.7
JET JER Effective NP 1	-4.3	-3.9	-7.5	3.1	100.0	16.0	-0.5	4.1	-0.5	3.6	4.9	-12.7	12.6	0.0	0.3	-0.1	0.7	-0.8	-0.3	-0.0	-1.6	1.6	-22.4	4.0	-2.3	-9.7
JET JER Effective NP 3	0.6	-0.3	5.0	-2.3	16.0	100.0	-1.2	5.8	4.6	0.8	2.9	4.4	-7.8	0.1	-0.6	-1.0	-1.3	2.6	-0.1	-0.0	0.7	-3.5	6.4	-2.4	2.8	3.5
JET Pileup RhoTopology	-12.9	-13.9	-41.1	19.8	-0.5	-1.2	100.0	0.5	-2.7	0.9	3.8	11.1	-7.7	0.1	-0.1	1.1	5.7	-11.7	-0.2	-0.0	-8.0	-2.5	10.6	0.9	8.6	20.6
MET soft-track reso. par.	3.2	9.6	-1.0	-0.3	4.1	5.8	0.5	100.0	-20.4	5.4	12.8	-17.7	-6.8	0.0	-0.5	-0.1	-0.4	-2.4	0.4	0.1	0.3	-5.1	22.9	1.2	3.6	0.1
MET soft-track reso. perp.	-0.4	2.5	-5.1	1.9	-0.5	4.6	-2.7	-20.4	100.0	2.7	0.8	-9.4	-2.4	0.0	0.5	1.1	0.5	-2.5	0.2	0.1	-0.3	1.5	22.8	0.3	-0.9	-3.5
MET soft-track scale	0.0	-2.1	-3.7	2.2	3.6	0.8	0.9	5.4	2.7	100.0	-9.5	10.9	-4.5	0.0	-0.2	-0.3	-0.4	0.3	0.1	-0.0	2.4	-2.4	35.7	1.4	0.8	-3.5
Zy MUF	2.3	-4.6	3.5	-1.6	4.9	2.9	3.8	12.8	0.8	-9.5	100.0	28.2	4.6	-0.0	0.6	-0.2	4.7	-7.0	0.4	0.0	3.0	4.4	58.2	-5.1	2.5	14.9
Zy MUR	0.7	4.8	3.9	-4.8	-12.7	4.4	11.1	-17.7	-9.4	10.9	28.2	100.0	6.9	-0.1	0.8	1.2	-5.5	8.4	0.0	0.1	0.6	-2.1	41.3	-5.0	0.4	15.7
b-tag eigenvar. B00	-0.1	-0.3	-6.1	2.3	12.6	-7.8	-7.7	-6.8	-2.4	-4.5	4.6	6.9	100.0	-0.1	0.2	3.8	-2.9	3.2	0.0	-0.2	3.8	-2.3	-5.0	-5.0	-25.5	-18.5
efake 4th order Bernstein Poly.	0.1	0.1	-0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	-0.0	-0.1	-0.1	100.0	-0.0	-0.0	-0.0	0.0	0.0	-0.0	0.1	0.5	-0.0	28.9	-0.1	-0.9
jfake heavy flavor overall uncert	-0.4	-0.2	0.2	0.4	0.3	-0.6	-0.1	-0.5	0.5	-0.2	0.6	0.8	0.2	-0.0	100.0	-2.3	-0.1	0.0	0.0	-0.1	-0.2	-0.2	0.3	1.0	-40.5	-2.0
jfake heavy flavor stat. uncert.	-0.3	-0.1	0.1	0.8	-0.1	-1.0	1.1	-0.1	1.1	-0.3	-0.2	1.2	3.8	-0.0	-2.3	100.0	0.1	-0.3	0.1	-0.1	-0.9	0.5	0.2	2.9	-41.5	-5.5
Electron isol. SF	1.3	1.6	0.2	-1.5	0.7	-1.3	5.7	-0.4	0.5	-0.4	4.7	-5.5	-2.9	-0.0	-0.1	0.1	100.0	5.4	0.1	0.0	2.6	-0.2	-12.8	-9.7	-25.9	-8.4
Muon isolation syst. SF	-2.9	-2.9	-5.1	4.6	-0.8	2.6	-11.7	-2.4	-2.5	0.3	-7.0	8.4	3.2	0.0	0.0	-0.3	5.4	100.0	-0.0	0.0	-4.4	-1.1	-27.8	-9.4	-24.8	-13.6