

$\mu$	100.0	1.5	0.6	-11.3	4.3	9.1	0.0	1.2	2.3	-4.1	-0.4	6.9	-21.7	13.8	-11.1
ABCD electron	1.5	100.0	-59.2	22.4	-1.9	1.6	3.2	10.1	5.1	12.5	10.8	-1.5	-9.1	2.2	-23.4
ABCD muon	0.6	-59.2	100.0	11.2	-1.0	0.4	1.4	4.7	2.1	6.9	4.1	-0.1	-3.6	1.3	-11.4
FSR	-11.3	22.4	11.2	100.0	3.3	4.2	2.1	-4.8	-5.1	47.0	16.9	4.2	25.4	-7.7	-13.4
ISR	4.3	-1.9	-1.0	3.3	100.0	-9.1	8.2	0.4	-4.0	1.1	2.5	-2.7	-3.3	28.4	-32.0
JET_Flavor_Composition	9.1	1.6	0.4	4.2	-9.1	100.0	16.1	-26.1	10.7	-11.9	-5.1	9.1	-0.2	32.3	-13.9
JET_Flavor_Response	0.0	3.2	1.4	2.1	8.2	16.1	100.0	17.1	-0.1	1.0	1.2	0.2	9.7	-23.4	8.1
JET_Pileup_RhoTopology	1.2	10.1	4.7	-4.8	0.4	-26.1	17.1	100.0	11.6	3.0	1.4	11.2	-0.5	21.5	-7.9
PRW	2.3	5.1	2.1	-5.1	-4.0	10.7	-0.1	11.6	100.0	2.8	0.8	-13.3	-3.0	28.8	0.6
btag_B_0	-4.1	12.5	6.9	47.0	1.1	-11.9	1.0	3.0	2.8	100.0	-23.7	-5.0	-9.2	10.5	-14.5
btag_B_1	-0.4	10.8	4.1	16.9	2.5	-5.1	1.2	1.4	0.8	-23.7	100.0	-2.2	-2.3	-4.5	-2.7
btag_B_3	6.9	-1.5	-0.1	4.2	-2.7	9.1	0.2	11.2	-13.3	-5.0	-2.2	100.0	-3.1	20.1	10.6
scale	-21.7	-9.1	-3.6	25.4	-3.3	-0.2	9.7	-0.5	-3.0	-9.2	-2.3	-3.1	100.0	-30.8	3.2
$\bar{t}t$ ME	13.8	2.2	1.3	-7.7	28.4	32.3	-23.4	21.5	28.8	10.5	-4.5	20.1	-30.8	100.0	-27.3
$\bar{t}t$ PS	-11.1	-23.4	-11.4	-13.4	-32.0	-13.9	8.1	-7.9	0.6	-14.5	-2.7	10.6	3.2	-27.3	100.0
$\mu$		ABCD electron	ABCD muon	FSR	ISR	JET_Flavor_Composition	JET_Flavor_Response	JET_Pileup_RhoTopology	PRW	btag_B_0	btag_B_1	btag_B_3	scale	$\bar{t}t$ ME	$\bar{t}t$ PS