

$\mu$	100.0	3.9	1.8	-7.8	-1.7	0.6	-1.2	-1.0	1.8	-23.0	20.9	-9.0	2.3
ABCD electron	3.9	100.0	-62.2	13.6	-4.1	4.2	11.2	16.7	7.1	-12.4	0.4	-13.9	2.0
ABCD muon	1.8	-62.2	100.0	5.8	-1.7	2.1	5.0	7.5	3.2	-5.6	0.1	-6.6	1.1
FSR	-7.8	13.6	5.8	100.0	-10.8	11.5	-9.9	51.6	26.7	12.7	0.3	20.9	-10.9
ISR	-1.7	-4.1	-1.7	-10.8	100.0	-1.9	-1.8	9.5	5.1	10.6	-1.1	-39.6	-8.2
JET_Flavor_Composition	0.6	4.2	2.1	11.5	-1.9	100.0	-37.2	2.2	-0.1	6.9	0.4	-20.9	-5.9
JET_Pileup_RhoTopology	-1.2	11.2	5.0	-9.9	-1.8	-37.2	100.0	3.8	2.4	5.7	1.2	-9.0	-9.6
btag_B_0	-1.0	16.7	7.5	51.6	9.5	2.2	3.8	100.0	-24.4	-9.1	0.7	-22.9	8.8
btag_B_1	1.8	7.1	3.2	26.7	5.1	-0.1	2.4	-24.4	100.0	-3.2	0.4	-11.0	6.0
scale	-23.0	-12.4	-5.6	12.7	10.6	6.9	5.7	-9.1	-3.2	100.0	0.5	-4.4	11.5
signal PS	20.9	0.4	0.1	0.3	-1.1	0.4	1.2	0.7	0.4	0.5	100.0	-1.1	0.3
$\bar{t}t$ PS	-9.0	-13.9	-6.6	20.9	-39.6	-20.9	-9.0	-22.9	-11.0	-4.4	-1.1	100.0	-52.8
$\bar{t}t$ hdamp	2.3	2.0	1.1	-10.9	-8.2	-5.9	-9.6	8.8	6.0	11.5	0.3	-52.8	100.0
$\mu$		ABCD electron	ABCD muon	FSR	ISR	JET_Flavor_Composition	JET_Pileup_RhoTopology	btag_B_0	btag_B_1	scale	signal PS	$\bar{t}t$ PS	$\bar{t}t$ hdamp