

$\mu$	100.0	4.1	1.8	1.7	-5.1	-2.1	-3.2	0.3	2.3	-26.1	1.0	1.0
ABCD electron	4.1	100.0	-62.1	13.5	-4.5	4.3	11.3	16.6	7.0	-0.1	-13.6	1.7
ABCD muon	1.8	-62.1	100.0	6.3	-1.6	2.1	4.9	7.5	3.5	0.0	-6.4	1.1
FSR	1.7	13.5	6.3	100.0	-11.5	12.2	-9.8	51.6	27.0	0.4	20.6	-10.9
ISR	-5.1	-4.5	-1.6	-11.5	100.0	-1.7	-2.0	9.2	5.2	0.3	-39.9	-8.1
JET_Flavor_Composition	-2.1	4.3	2.1	12.2	-1.7	100.0	-37.0	2.7	0.1	-0.4	-21.1	-6.0
JET_Pileup_RhoTopology	-3.2	11.3	4.9	-9.8	-2.0	-37.0	100.0	3.8	2.5	0.1	-9.1	-9.6
btag_B_0	0.3	16.6	7.5	51.6	9.2	2.7	3.8	100.0	-24.0	0.2	-22.8	8.6
btag_B_1	2.3	7.0	3.5	27.0	5.2	0.1	2.5	-24.0	100.0	-0.1	-11.1	5.9
signal PS	-26.1	-0.1	0.0	0.4	0.3	-0.4	0.1	0.2	-0.1	100.0	0.1	1.0
$\bar{t}t$ PS	1.0	-13.6	-6.4	20.6	-39.9	-21.1	-9.1	-22.8	-11.1	0.1	100.0	-52.6
$\bar{t}t$ hdamp	1.0	1.7	1.1	-10.9	-8.1	-6.0	-9.6	8.6	5.9	1.0	-52.6	100.0
	$\mu$	ABCD electron	ABCD muon	FSR	ISR	JET_Flavor_Composition	JET_Pileup_RhoTopology	btag_B_0	btag_B_1	signal PS	$\bar{t}t$ PS	$\bar{t}t$ hdamp