

μ	100.0	-0.8	-0.3	-8.9	6.2	0.9	0.7	-1.7	-0.6	-0.3	-4.4	10.0	-9.3	-3.8	-17.7	-40.6	6.3
ABCD electron	-0.8	100.0	-62.5	15.6	-1.5	9.3	0.7	0.6	-4.7	0.4	-1.3	-2.0	3.5	11.4	-8.3	0.6	-3.4
ABCD muon	-0.3	-62.5	100.0	8.3	1.0	3.3	-0.0	-1.3	-1.8	0.2	-0.8	-0.9	2.4	5.4	-3.3	0.0	-2.6
FSR	-8.9	15.6	8.3	100.0	-6.0	-6.4	11.0	-1.9	32.7	-5.7	-25.5	-0.7	13.2	21.7	24.4	-0.8	5.5
JET_Flavor_Composition	6.2	-1.5	1.0	-6.0	100.0	-25.1	-5.0	-3.1	-21.5	2.2	0.8	-3.0	1.0	1.9	1.6	-1.1	15.4
JET_Pileup_RhoTopology	0.9	9.3	3.3	-6.4	-25.1	100.0	-3.2	-7.7	-6.1	-3.3	0.5	-2.8	-5.2	5.3	-1.8	0.0	13.4
$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 2j $\bar{t}t$	0.7	0.7	-0.0	11.0	-5.0	-3.2	100.0	5.2	2.2	0.1	-0.1	0.6	-9.3	-4.6	6.8	-0.3	-26.5
$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 2j τ_W	-1.7	0.6	-1.3	-1.9	-3.1	-7.7	5.2	100.0	4.2	4.9	-4.4	2.0	-31.6	8.6	7.7	1.2	34.1
$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 3j $\bar{t}t$	-0.6	-4.7	-1.8	32.7	-21.5	-6.1	2.2	4.2	100.0	39.1	-12.5	-0.3	5.7	-36.3	-4.6	0.3	31.2
$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 3j τ_W	-0.3	0.4	0.2	-5.7	2.2	-3.3	0.1	4.9	39.1	100.0	2.3	0.1	-2.2	9.8	-6.6	-0.4	-3.4
$\bar{t}t$ PS $t_l \tau_{had}$ 2j Other Fake	-4.4	-1.3	-0.8	-25.5	0.8	0.5	-0.1	-4.4	-12.5	2.3	100.0	-0.0	-3.7	-6.3	-9.2	-1.1	-14.9
$\bar{t}t$ PS $t_l \tau_{had} \tau_{had}$	10.0	-2.0	-0.9	-0.7	-3.0	-2.8	0.6	2.0	-0.3	0.1	-0.0	100.0	-3.4	0.4	3.5	0.2	-4.5
TES_DETECTOR	-9.3	3.5	2.4	13.2	1.0	-5.2	-9.3	-31.6	5.7	-2.2	-3.7	-3.4	100.0	0.2	-10.7	1.9	-1.2
btag_B_0	-3.8	11.4	5.4	21.7	1.9	5.3	-4.6	8.6	-36.3	9.8	-6.3	0.4	0.2	100.0	-5.6	0.2	-3.0
scale	-17.7	-8.3	-3.3	24.4	1.6	-1.8	6.8	7.7	-4.6	-6.6	-9.2	3.5	-10.7	-5.6	100.0	-1.1	-21.8
signal PS	-40.6	0.6	0.0	-0.8	-1.1	0.0	-0.3	1.2	0.3	-0.4	-1.1	0.2	1.9	0.2	-1.1	100.0	0.7
$\bar{t}t$ ME	6.3	-3.4	-2.6	5.5	15.4	13.4	-26.5	34.1	31.2	-3.4	-14.9	-4.5	-1.2	-3.0	-21.8	0.7	100.0
μ	μ	ABCD electron	ABCD muon	FSR	JET_Flavor_Composition	JET_Pileup_RhoTopology	$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 2j $\bar{t}t$	$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 2j τ_W	$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 3j $\bar{t}t$	$\bar{t}t$ PS $t_h \tau_{lep} \tau_{had}$ 3j τ_W	$\bar{t}t$ PS $t_l \tau_{had}$ 2j Other Fake	$\bar{t}t$ PS $t_l \tau_{had} \tau_{had}$	TES_DETECTOR	btag_B_0	scale	signal PS	$\bar{t}t$ ME