

	μ	100.0	3.2	1.1	7.7	11.9	-27.7	-3.7		7.0	3.1	1.7	-4.0	2.2	-1.3	0.0	3.9	-10.0	0.8	-2.4	0.7	8.4	-3.8	0.7	7.4	4.3	-2.1	-4.2	-10.4	1.6	3.1	3.1	3.3	3.1	3.1	-1.5	3.1	-0.4	4.7	0.6	-3.6	5.5	2.8	-14.0	0.9	-0.0	0.3	
	ABCD electron	3.2	100.0	-56.2	-1.3	-2.5	-0.0	3.2	9.7	5.0	0.0	2.9	14.0	-1.0	4.3	0.8	-0.2	-7.8	-17.5	14.6	10.8	2.8	-0.0	3.5	3.1	3.0	-6.0	-1.7	0.2	-0.8	-0.7	-0.7	-0.7	-0.7	-1.1	-0.7	0.5	12.9	3.4	8.0	-7.5	-5.3	-23.1	-20.2	0.7	-0.7		
	ABCD muon	1.1	-56.2	100.0	0.4	-0.9	-0.0	1.1	-3.4	1.7	0.0	1.0	4.9	-0.4	1.5	0.3	-0.1	-2.7	-6.1	5.1	3.8	1.0	-0.0	1.2	1.1	-1.0	-2.1	-0.6	0.1	-0.3	-0.2	-0.2	-0.2	-0.2	-0.4	-0.2	0.2	4.5	1.2	-2.8	-2.6	-1.8	-0.8	-7.1	0.2	-0.2		
	FFNP_SS_CR	7.7	-1.3	-0.4	100.0	-26.4	-0.0	2.2	0.7	-0.6	0.3	-1.9	1.3	-1.1	0.7	3.2	8.0	4.8	-1.7	-3.0	-0.2	0.8	-0.6	-0.5	2.4	2.6	-2.0	-0.1	0.3	6.0	6.3	6.3	6.3	6.3	7.7	6.3	10.1	-6.2	-1.9	-0.2	6.2	-10.2	-0.8	-0.9	3.8	-3.4		
	FFNP_OS_CR	11.9	-2.5	-0.9	-26.4	100.0	-0.0	4.5	0.8	-1.8	0.1	-2.8	1.6	1.8	2.0	4.4	8.9	13.0	-3.3	-3.9	0.4	0.7	-0.4	-0.7	3.0	3.2	-3.0	-0.5	0.8	5.6	6.3	6.3	6.3	6.3	5.1	6.3	10.8	-10.7	-2.8	1.6	5.6	-8.9	-1.3	-1.6	6.5	-5.1		
	HtBR	-3.7	-0.0	-0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
	JER_1	-3.7	3.2	1.1	2.2	4.5	0.0	100.0	9.3	13.0	-0.1	5.9	0.9	-0.8	0.2	-4.3	-1.1	5.1	-4.3	0.3	1.6	1.1	0.2	3.1	-2.1	2.2	6.9	-2.9	-0.3	0.1	-0.2	-0.2	-0.2	-0.2	0.4	-0.2	1.3	-1.5	3.6	2.5	3.0	-1.8	-1.8	2.9	-1.2	-3.9		
	JER_2	-0.9	-9.7	-3.4	0.7	-0.8	0.0	-9.3	100.0	8.4	-2.7	-0.0	0.2	4.4	-0.3	-15.3	1.4	5.8	0.6	4.8	3.0	3.4	-1.9	2.8	0.0	-0.2	2.2	-1.2	0.4	-1.3	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	4.2	2.8	4.1	1.9	-0.2	-2.7	-3.9	-0.4	1.8	-3.5		
	JER_4	7.0	5.0	1.7	-0.6	-1.8	-0.0	13.0	8.4	100.0	0.1	-2.7	2.9	0.5	-0.2	4.6	1.9	-1.0	-2.4	2.8	-3.6	-1.2	-0.3	-3.1	0.5	-0.3	-3.0	2.1	-0.0	-1.9	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.7	3.1	3.7	-0.1	-1.0	3.1	2.1	0.6	4.2	0.0		
	JES_Modelling1	-3.1	0.0	0.0	0.3	0.1	0.0	-0.1	-2.7	0.1	100.0	-13.2	-4.3	19.2	-8.6	-5.5	1.8	-4.6	-0.4	-0.3	-0.2	2.1	-2.3	0.2	0.4	0.8	-1.9	2.0	-0.1	-1.6	-1.4	-1.4	-1.4	-1.4	-1.4	2.7	-1.4	0.5	-1.1	-1.6	0.5	-10.8	-3.7	3.4	1.5	1.2	-1.1	
	JET_EtaInt_Modelling	1.7	2.9	1.0	1.9	2.9	-0.0	5.9	0.0	-2.7	-13.2	100.0	2.5	20.8	9.8	1.9	1.0	-6.1	1.2	3.7	0.4	0.0	-1.5	3.9	0.5	-1.1	6.0	3.6	0.0	-1.9	0.8	0.0	-0.8	-0.8	0.8	1.4	0.8	3.0	-3.2	8.6	0.4	-11.3	-0.1	3.4	2.6	1.5	-1.1	
	JET_Flavor_Composition	-4.0	14.0	4.9	1.3	1.6	0.0	0.9	0.2	2.9	-4.3	2.5	100.0	0.1	-1.6	-29.0	-7.3	-2.4	9.8	-12.3	-4.1	1.1	-1.0	-2.4	9.3	-10.6	0.2	2.3	-0.7	0.4	0.0	-0.0	-0.0	-0.0	-0.0	0.9	-0.0	1.3	-16.1	-9.6	-17.2	-1.4	-26.3	18.1	3.0	-3.1	-0.1	
	JET_Flavor_Response	2.2	-1.0	-0.4	-1.1	1.8	-0.0	-0.8	4.4	0.5	19.2	20.8	0.1	100.0	13.2	2.0	1.8	5.4	-1.3	-1.4	0.1	-2.4	3.0	1.5	-1.4	2.1	5.1	-5.6	0.4	5.0	4.3	4.3	4.3	4.3	4.3	7.4	4.3	3.9	1.6	4.9	0.1	20.4	2.5	-5.7	-3.7	-3.5	3.1	
	JET_Pileup_OffsetNPV	-1.3	4.3	1.5	0.7	2.0	0.0	0.2	0.3	-0.2	-9.6	-9.8	-1.6	13.2	100.0	-3.5	3.5	-5.8	-2.9	0.8	-1.1	2.1	-1.7	-2.3	-1.1	1.0	-0.8	-0.5	0.1	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2	-7.0	-3.2	0.2	-18.8	-3.6	-1.0	3.7	0.4	0.7		
	JET_Pileup_RhoTopology	0.9	0.8	0.3	3.2	4.4	-0.0	-4.3	-15.3	-4.6	-5.5	-1.8	-29.0	2.0	-3.5	100.0	5.2	7.4	17.0	34.5	15.2	12.6	-7.5	4.4	3.5	4.4	4.8	-0.3	-0.2	-1.5	0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-6.7	-29.7	0.6	9.9	8.9	-2.9	10.0	-7.6	2.9	1.9		
	PRW	3.9	-0.2	-0.1	0.0	0.0	-0.0	-1.1	1.4	1.9	1.5	1.2	-7.3	1.6	3.5	5.2	100.0	1.9	12.8	1.3	0.5	-14.6	11.6	-1.1	0.9	0.2	-1.2	-0.6	-0.3	-0.5	3.9	3.0	-3.2	3.9	8.7	3.9	-5.0	2.8	-1.1	8.3	-1.0	-0.1	1.6	2.6	-1.4			
	TES_DETECTOR	-10.0	-7.8	-2.7	4.6	13.0	0.0	5.1	5.8	1.0	-4.6	-6.1	-2.4	5.4	-5.8	7.4	1.9	100.0	-8.7	8.2	3.2	0.3	-0.4	-3.5	-0.7	0.6	-10.1	-0.7	-1.3	5.1	4.6	4.6	4.6	4.6	5.4	4.6	-4.3	-4.0	-6.7	7.1	2.4	2.2	-7.5	-4.4	-4.3	2.1		
	TAU_PUV	0.8	-17.5	-6.1	-1.7	-3.3	-0.0	4.3	0.6	2.4	-0.4	1.2	9.8	-1.3	2.9	17.0	12.8	-8.7	100.0	-9.1	4.2	0.9	-8.4	-2.6	-4.2	5.3	-1.5	-7.4	0.4	-1.1	-0.9	-0.9	-0.9	-0.9	-1.5	-0.9	2.3	14.2	-4.4	-0.1	-15.4	8.4	-10.8	-2.9	1.7	-1.8		
	btag_B_0	-2.4	14.6	5.1	-3.0	-3.9	0.0	-0.3	4.8	2.8	-0.3	3.7	-12.3	-1.4	0.8	34.5	-1.3	9.2	-8.1	100.0	-12.4	-3.3	0.5	1.8	0.3	0.2	4.5	-1.3	-0.2	-1.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	3.1	18.7	3.4	-0.3	-23.2	4.0	2.8	4.2	2.4	-3.2		
	btag_B_1	0.7	10.8	3.8	-0.2	-0.4	-0.0	1.6	3.0	-3.6	-0.2	0.4	-4.1	0.1	-1.1	15.2	0.5	3.2	-4.2	-12.4	100.0	-1.4	0.1	-0.7	-0.7	1.0	1.9	-0.2	-0.0	-0.8	0.5	-0.5	-0.5	-0.5	0.5	-1.4	-0.5	-0.8	5.5	1.2	0.3	-5.9	4.2	0.2	3.9	1.3	-0.4	
	btag_B_3	6.4	2.8	1.0	0.8	0.7	-0.0	1.1	3.4	1.2	2.1	0.9	1.1	-2.4	2.1	12.6	-14.4	0.3	10.9	3.3	-1.4	100.0	11.0	1.6	1.5	-1.7	-1.2	2.8	-0.1	-1.5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1		
	btag_B_37	-3.8	-0.0	-0.0	-0.6	-0.4	0.0	0.2	-1.9	-0.3	-2.3	-1.6	-1.0	3.0	-1.7	-7.5	11.6	0.4	-8.4	0.5	0.1	11.0	100.0	-0.8	-1.2	1.5	1.0	-0.8	0.1	1.2	0.9	0.9	0.9	0.9	0.9	2.0	0.9	1.5	5.6	-3.4	5.3	4.5	10.0	3.9	0.3	-0.7	0.3	
	btag_C_0	0.7	3.5	1.2	0.5	-0.7	-0.0	3.1	2.8	-3.1	0.2	-3.9	-2.4	1.5	2.3	4.4	-1.1	-3.5	-2.6	1.8	0.7	1.6	-0.9	100.0	0.5	0.7	-3.5	-1.4	0.0	0.6	0.5	0.5	0.5	0.5	0.5	1.3	0.5	2.0	-4.2	-7.8	-0.8	-0.3	2.5	-3.3	3.4	-0.4	0.1	
	btag_C_5	7.4	3.1	1.1	2.4	3.0	-0.0	-2.1	0.0	0.5	0.4	0.5	9.3	-1.4	-1.1	3.5	0.9	-0.7	-4.2	0.3	0.7	1.5	-1.2	0.5	100.0	1.6	-0.1	2.0	0.2	-0.5	0.4	-0.4	-0.4	-0.4	-0.4	-1.4	-0.4	-2.5	-8.7	0.7	1.2	1.8	-10.1	2.3	0.1	-0.2	0.4	
	btag_C_8	-8.3	-3.0	-1.0	2.6	-3.2	0.0	2.2	-0.2	0.3	-0.8	-1.1	-10.6	2.1	1.0	-4.4	-1.2	0.8	5.3	0.2	1.0	-1.7	1.5	-0.7	1.6	100.0	-0.2	-2.1	-0.3	0.7	0.4	0.4	0.4	0.4	0.4	1.6	0.4	2.7	8.8	-0.5	-1.5	-1.1	10.9	-3.1	0.0	0.1	-0.4	
	bkgSF_1p_p0_b_fake	-2.1	-6.0	-2.1	2.0	3.0	0.0	0.9	2.2	-1.9	-6.0	0.2	5.1	-8.8	4.6	-1.2	-10.1	-1.5	4.5	1.9	-1.0	1.0	-3.5	-6.1	-0.2	100.0	0.2	-0.0	0.3	0.2	0.2	0.2	0.2	1.1	0.2	2.8	7.0	-5.8	-3.8	4.5	-5.4	-2.6	6.1	0.8	-0.8			
	bkgSF_1p_p02_b_fake	-4.7	-1.7	-0.6	0.1	0.5	0.0	-2.9	-1.2	2.1	2.0	3.6	2.3	-5.6	0.5	0.3	-0.0	-0.7	-7.4	1.3	0.2	2.8	-0.8	-1.4	2.0	2.1	0.2	100.0	-0.0	-0.6	0.6	-0.6	-0.6	-0.6	-0.6	0.7	0.6	0.4	-8.8	0.2	1.6	6.8	-5.3	-11.5	0.5	0.0	0.4	
	bH theory_uncer	-10.4	-0.2	0.1	0.3	0.6	0.0	-0.3	0.4	0.0	-0.1	0.0	-0.7	0.4	0.1	-0.2	-0.3	-1.3	0.4	0.2	0.0	-0.1	0.1	0.0	0.2	-0.3	-0.0	-0.0	100.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
	tauTrigger_STATDATA161718	1.6	-0.8	-0.3	6.0	5.6	-0.0	0.1	-1.3	-1.9	-1.6	-1.0	0.4	5.0	-0.0	-1.5	-4.5	5.1	-1.1	-1.4	-0.8	-1.5	1.2	0.6	0.5	0.7	0.3	-0.6	-0.0	100.0	-5.6	-5.6	-5.6	-5.6	-5.6	-13.1	-5.6	-4.2	-0.4	1.0	-1.8	-0.4	4.7	-1.4	-0.2	7.3	-6.6	
	tauTrigger_STATDATA2018	3.1	-0.7	-0.2	6.3	6.3	-0.0	-0.2	-1.1	-1.2	-1.4	-0.8	-0.0	4.3	0.0	-0.8	-3.9	4.6	-0.9	-1.0	0.5	-1.1	0.9	0.5	0.4	0.4	0.2	-0.6	0.1	5.6	100.0	-4.5	-4.5	-4.5	-4.5	-10.7	4.5	-4.2	-0.5	0.7	1.8	-0.8	4.7	-1.2	-0.2	5.7	-5.1	
	tauTrigger_STATMC161718	3.1	-0.7	-0.2	6.3	6.3	-0.0	-0.2	-1.1	-1.2	-1.4	-0.8	-0.0	4.3	0.0	-0.8	-3.9	4.6	-0.9	-1.0	0.5	-1.1	0.9	0.5	0.4	0.4	0.2	-0.6	0.1	5.6	4.5	100.0	-4.5	-4.5	-4.5	-4.5	-10.7	4.5	-4.2	-0.5	0.7	1.8	-0.8	4.7	-1.2	-0.2	5.7	-5.1
	tauTrigger_STATMC2018	3.1	-0.7	-0.2	6.3	6.3	-0.0	-0.2	-1.1	-1.2	-1.4	-0.8	-0.0	4.3	0.0</																																	