

	μ	100.0	4.6	1.6	8.2	12.5	4.2	-1.1	5.5	-3.2	1.7	-4.3	2.2	0.5	-13.0	-0.1	-8.9	3.8	-9.9	2.2	-1.9	1.0	6.3	-3.7	0.9	7.8	8.8	4.4	-10.7	1.8	3.4	3.4	3.4	3.4	3.4	-1.3	3.4	-0.6	3.9	0.9	-3.5	-4.5	1.9	14.4	1.1	0.3		
	ABCD electron	4.6	100.0	-55.9	-1.1	-1.9	2.9	-9.7	5.3	0.1	2.8	13.3	-1.1	1.4	4.6	0.2	-11.8	-1.2	-7.1	-14.4	15.3	11.1	1.4	1.1	3.8	3.3	-3.2	-1.0	0.2	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.3	0.5	11.6	4.0	-8.1	-6.5	-6.7	-1.2	20.0	0.3		
	ABCD muon	1.6	-55.8	100.0	-0.4	-0.7	1.0	-3.3	1.8	0.0	1.0	4.6	-0.4	-0.5	1.6	0.1	-4.0	-0.4	-2.5	5.0	5.3	3.8	0.5	0.4	1.3	1.1	-1.1	-0.3	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.2	4.0	1.4	-2.8	-2.2	-2.3	-0.4	6.9	0.1		
	FFNP_SS_CR	8.2	-1.1	-0.4	100.0	-26.2	2.2	0.6	-0.6	0.3	-1.9	1.2	-1.1	1.1	0.8	3.0	-2.1	7.9	4.7	-1.2	-2.8	-0.1	0.6	-0.4	-0.5	2.4	-2.7	0.0	0.3	6.1	6.4	6.4	6.4	6.4	6.4	7.9	6.4	10.1	-6.4	-1.8	-0.2	6.3	-10.4	-0.6	-0.9	3.7		
	FFNP_OS_CR	12.5	-1.9	-0.7	-26.2	100.0	4.4	-0.9	-1.7	0.2	-2.8	1.5	1.8	2.9	2.1	4.0	-4.4	8.6	13.1	-2.3	-3.5	-0.3	0.4	-0.2	-0.6	3.0	-3.3	-0.2	0.9	5.7	6.3	6.3	6.3	6.3	6.3	5.3	6.3	10.9	-11.1	-2.6	-1.6	6.0	-9.4	-1.4	-1.5	6.2		
	JER_1	-4.2	2.9	1.0	2.2	4.4	100.0	-9.2	12.8	-0.1	5.9	1.1	-0.8	0.2	0.2	-4.2	3.2	-0.9	4.9	3.5	-0.5	1.8	1.5	-0.1	3.0	2.1	2.3	-3.1	-0.3	-0.1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	1.4	-1.1	3.4	2.8	-3.4	-1.4	-2.1	2.8	-1.1
	JER_2	-9.2	-9.7	-3.3	0.6	0.9	-9.2	100.0	8.3	-2.1	0.0	0.3	1.4	0.2	0.2	-15.0	0.7	1.4	5.8	4.5	-4.2	3.0	3.4	-1.9	2.8	0.1	-1.1	-0.4	0.4	-1.3	-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	-1.1	
	JER_4	7.6	5.3	1.8	-0.6	-1.7	12.8	8.3	100.0	0.2	-2.7	2.8	0.5	0.2	-0.3	-4.3	-2.7	-1.7	0.9	2.0	-2.7	-3.8	-1.3	-0.2	-3.1	0.5	0.4	2.2	-0.0	-1.8	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.8	2.8	-3.6	-0.1	-0.6	2.7	2.3	0.6	4.1	
	JES_Modelling1	-3.2	0.1	0.0	0.3	0.2	-0.1	-2.7	0.2	100.0	-13.2	-4.3	19.2	-3.8	-9.6	-5.6	-0.2	2.0	-4.6	0.5	-0.2	-0.2	2.3	-2.4	0.2	0.4	-0.8	2.0	-0.1	-1.8	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-2.7	-1.4	0.5	-1.1	-1.6	0.5	-10.9	-3.7	3.5	1.5	1.1	
	JET_EtaInt_Modelling	1.7	2.8	1.0	-1.9	-2.8	5.9	0.0	-2.7	-13.2	100.0	2.5	20.8	-3.4	-9.8	-1.8	0.5	1.3	-6.1	1.1	3.7	0.4	0.9	-1.5	-3.9	0.5	-1.0	3.5	0.0	-1.1	-0.8	-0.8	-0.8	-0.8	-0.8	-1.5	-0.8	3.1	-3.1	-6.6	0.4	-11.3	0.0	3.3	2.6	1.5		
	JET_Flavor_Composition	-4.3	13.3	4.6	1.2	1.5	1.1	0.3	2.8	-4.3	2.5	100.0	0.1	6.7	-1.5	-28.2	3.4	-7.4	-2.6	9.4	-12.4	-4.1	1.0	-0.9	-2.4	9.5	-10.8	2.1	-0.7	0.4	-0.0	-0.0	-0.0	-0.0	-0.0	0.9	0.0	1.4	-15.8	-9.6	-17.5	-2.0	-26.1	17.6	2.9	-3.1		
	JET_Flavor_Response	2.2	-1.1	-0.4	-1.1	1.8	0.8	4.4	0.5	19.2	20.8	0.1	100.0	3.9	13.2	2.2	0.4	1.5	5.5	-1.1	-1.4	0.1	-2.6	3.1	1.5	-1.4	2.0	-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	-0.0	-20.2	2.5	-5.8	3.7	-3.5		
	JET_Pileup_OffsetMu	0.5	-1.4	-0.5	1.1	2.9	0.2	0.2	0.2	-3.8	-3.4	5.7	3.9	100.0	-5.1	-7.5	-0.8	3.0	-7.0	-1.6	5.8	1.7	1.5	-0.4	-0.2	0.0	-0.2	-1.7	-0.2	0.9	0.8	0.7	0.8	0.7	0.7	0.6	0.7	-3.3	-10.0	0.6	-0.7	-2.2	-1.8	6.5	1.5	-0.8		
	JET_Pileup_OffsetNPV	-1.3	4.5	1.6	0.8	2.1	0.2	-0.3	-0.3	-9.6	-9.8	-1.5	13.2	-5.1	100.0	-3.8	-1.3	3.5	-6.7	-2.7	0.9	-1.1	2.1	-1.7	-2.3	-4.2	1.1	-0.5	0.1	-0.0	0.1	0.1	0.1	0.1	0.1	-0.6	0.1	-1.2	-7.0	-3.2	0.3	-18.4	-3.6	-0.9	3.7	0.4		
	JET_Pileup_RhoTopology	-0.1	0.2	0.1	3.0	4.0	-4.2	-15.2	4.3	-5.6	-1.8	-28.2	2.2	7.5	-7.8	100.0	9.8	6.3	6.8	14.0	33.5	14.8	14.1	-8.6	4.1	3.3	-4.2	-0.9	-0.2	-2.0	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-4.1	-1.2	-6.7	-28.3	0.1	10.0	-10.6	-1.6	8.8	-7.7	3.4	
	LumiUncertainty	-8.9	-11.6	-4.0	-2.1	-4.4	3.2	0.7	-2.7	-0.2	0.5	3.4	0.4	-0.8	-1.3	9.8	100.0	5.3	-5.4	-19.6	-7.2	-2.8	7.7	-5.7	-2.9	-0.7	1.1	-5.4	-0.1	-3.3	-2.8	-2.8	-2.8	-2.8	-2.8	-4.6	-2.8	0.9	11.0	-3.9	-1.5	-10.4	10.4	-10.5	-2.0	3.2		
	PRW	3.8	-1.2	-0.4	7.9	8.6	-0.9	1.4	1.7	2.0	1.3	-7.4	1.5	3.0	3.5	6.3	5.3	100.0	1.7	12.2	-1.8	0.3	-14.6	11.8	-1.1	0.9	-1.3	-1.0	-0.3	-4.5	-3.9	-3.9	-3.9	-3.9	-3.9	-8.7	-3.9	-5.0	3.4	-1.0	-8.7	-17.1	5.0	0.8	-1.9	2.7		
	TES_DETECTOR	-9.9	-7.1	-2.5	4.7	13.1	4.9	5.8	-0.9	-4.6	-6.1	-2.6	5.5	-7.0	-5.7	6.8	-5.4	1.7	100.0	-7.4	9.5	3.3	-0.1	0.7	3.4	0.8	0.6	-0.4	-1.3	5.3	4.8	4.8	4.8	4.8	4.8	5.6	4.8	-4.4	3.3	-5.5	-7.0	2.9	1.8	6.9	-4.3	-4.4		
	TAU_PLIV	2.2	-14.4	-5.0	-1.2	-2.3	3.5	0.5	-2.0	-0.5	1.1	9.4	-1.1	-1.6	-2.7	14.0	-19.6	12.2	7.4	100.0	-7.5	-3.6	9.9	-7.7	2.1	-4.3	5.3	-6.3	0.4	-0.7	0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	2.0	11.7	-3.6	0.7	-12.6	6.7	8.3	2.3	1.2		
	bttag_B_0	1.0	15.3	5.3	2.8	-0.5	4.9	-2.1	-0.2	3.7	12.4	-1.4	5.8	0.0	33.6	-7.2	-1.8	9.5	7.5	100.0	-12.9	-4.0	1.1	2.0	0.4	0.1	0.9	-0.2	-1.1	-0.8	0.8	0.8	0.8	0.8	0.8	-0.7	0.8	3.0	17.8	3.7	-0.3	-22.2	3.0	3.5	4.3	2.1		
	bttag_B_1	1.0	11.1	3.8	-0.1	-0.3	1.6	3.0	-3.6	-0.2	0.4	-0.1	0.1	1.7	-1.1	-14.0	-2.8	0.3	3.3	-3.6	100.0	-1.6	0.2	-0.6	0.7	1.0	-0.0	-0.0	-0.7	-0.4	-0.4	-0.4	-0.4	-0.4	-1.3	-0.4	-0.8	5.2	1.3	0.3	-5.5	3.8	0.5	4.0	1.2			
	bttag_B_3	6.3	1.4	0.5	0.6	0.4	1.5	3.4	-1.3	2.3	0.9	1.0	2.6	1.5	2.1	14.1	7.7	-14.6	-0.1	6.9	-4.0	-1.6	100.0	1.1	1.6	1.7	-2.0	2.8	-0.1	-1.5	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-2.7	-1.1	2.0	2.8	4.4	-6.3	-6.4	-10.7	-1.7	-0.3	1.2	
	bttag_B_37	-3.7	1.1	0.4	-0.4	-0.2	-0.1	-1.9	-0.2	-2.4	-1.5	-0.9	3.1	-0.4	-1.7	-8.6	-5.7	11.8	0.7	7.7	1.1	0.2	11.1	100.0	-0.9	-1.4	1.7	-0.6	0.1	1.2	0.9	0.9	0.9	0.9	0.9	2.0	0.9	1.3	4.9	-3.5	5.7	5.4	9.8	4.7	0.4	-0.7		
	bttag_C_0	0.9	3.8	1.3	-0.5	-0.6	3.0	2.8	-3.1	0.2	-3.9	-2.4	1.5	-0.2	-2.3	4.1	-2.9	-1.1	3.4	-2.1	2.0	-0.6	1.6	-0.9	100.0	0.5	-0.7	-1.3	0.0	0.7	0.6	0.6	0.6	0.6	0.6	1.3	0.6	1.9	-4.5	-7.7	-0.7	0.0	2.1	2.9	3.4	-0.5		
	bttag_C_5	7.8	3.3	1.1	2.4	3.0	2.1	-0.1	0.5	0.4	0.5	9.5	1.4	0.0	-1.2	3.3	-0.7	0.9	-0.8	4.3	0.4	-0.7	1.7	-1.4	0.5	100.0	1.4	2.0	0.2	-0.6	-0.4	-0.4	-0.4	-0.4	-0.4	-1.4	-0.4	-2.5	8.8	0.6	1.2	2.0	-10.2	2.3	0.1	-0.1		
	bttag_C_8	8.6	-3.3	-1.1	-2.7	-3.3	2.3	-0.1	-0.4	-0.4	-1.0	-10.8	2.0	-0.2	1.1	-4.2	1.1	-1.3	0.6	5.3	0.0	1.6	-2.0	1.7	0.7	1.4	100.0	-2.1	-0.2	0.7	0.5	0.5	0.5	0.5	0.5	0.5	1.7	0.5	2.8	4.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
	takeSF_1p_2p_b_take	-4.4	-1.0	-0.3	0.0	-0.2	-3.1	-1.3	2.2	2.0	3.5	2.1	5.6	-1.7	-0.5	-0.9	-5.4	-1.0	0.4	4.3	-0.9	-0.0	2.6	-0.6	-1.3	2.0	2.1	100.0	-0.0	-0.4	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	
	ttH theory_uncer	-10.7	0.2	0.1	0.3	0.9	-0.3	0.4	-0.0	-0.1	0.0	-0.7	0.4	-0.2	0.1	-0.2	-0.1	-0.3	-1.3	0.4	-0.2	-0.0	-0.1	0.1	0.0	0.2	-0.3	-0.0	100.0	-0.0	0.1	0.1	0.1	0.1	0.1	0.1	-0.2	0.1	-0.4	0.9	0.0	-0.1	-0.2	0.8	-0.4	0.2	-0.3	
	tauTrigger_STATDATA161718	1.9	-0.3	-0.1	6.1	5.7	-0.1	-1.3	-1.8	-1.6	-1.1	0.4	5.0	0.9	-0.0	-2.0	-3.3	-4.5	5.3	0.7	-1.1	-0.7	-1.5	1.2	0.7	-0.6	0.7	-0.4	-0.0	100.0	-5.6	-5.6	-5.6	-5.6	-5.6	-13.0	-5.6	-4.3	0.8	1.1	-1.7	0.0	4.5	-1.0	-0.1	7.3		
	tauTrigger_STATDATA2018	3.4	-0.3	-0.1	6.4	6.3	0.3	-1.1	-1.1	-1.4	-0.8	-0.0	4.3	0.8	0.1	-1.2	-2.8	-3.9	4.8	0.5	-0.8	-0.4	-1.1	0.9	0.6	0.4	0.5	-0.5	0.1	-5.6	100.0	-4.5	-4.5	-4.5	-4.5	-10.6	-4.5	-4.2	0.8	0.8	-1.6	-0.4	4.5	0.9	0.1	5.7		
	tauTrigger_STATMC161718	3.4	-0.3	-0.1	6.4	6.3	0.3	-1.1	-1.1	-1.4	-0.8	-0.0	4.3	0.7	0.1	-1.2	-2.8	-3.9	4.8	0.5	-0.8	-0.4	-1.1	0.9	0.6	0.4	0.5	-0.5	0.1	-5.6	-4.5	100.0	-4.5	-4.5	-10.6	-4.5	-4.2	0.8	0.8	-1.6	-0.4	4.5	0.9	0.1	5.7			
	tauTrigger_STATMC2018	3.4	-0.3	-0.1	6.4	6.3	0.3	-1.1	-1.1	-1.4	-0.8	-0.0	4.3	0.8	0.1	-1.2	-2.8	-3.9	4.8	0.5	-0.8	-0.4	-1.1	0.9	0.6	0.4	0.5	-0.5	0.1	-5.6	-4.5	-4.5	100.0	-4.5	-4.5	-10.6	-4.5	-4.2	0.8	0.8	-1.6	-0.4	4.5	0.9	0.1	5.7		
	tauTrigger_SYST161718	3.4	-0.3	-0.																																												