FFIP-Typing_pland_stateOt FFIP-Typing_pland_stateOt FFIP-Typing_pland_stateOt FFIP-Typing_pland_stateO FFIP-Typing_pland_stateOt FFIP-Typing_stateOt FFIP-Typing_state	10	23 24 000 15 15 00 1.1 2.1 00 02 03 00 1.1 12 00 1508 206 00	-0.4 0.0 -0.1 -0.2 0.2 -0.1 -0.3 0.2 -0.1 -0.0 -0.1 0.0 -0.1 0.1 -0.0	02 -02 03 -00 02 -0.1	-0.4 -0.0 -0 -0.2 -0.0 -0 -0.3 -0.0 -0	0.2 0.1 0.0 0.0 0.2 0.1 0.1 0.1 0.0	-0.0 0.5 -0.0 0.1 -0.0 0.2	0.1 -0. 0.1 -0. 0.1 -0.	2 -0.2 -0 0 0.0 0 2 -0.2 0	3 -0.1	-0.1 -0.2	0.1 0.1	-1.9 -0.7 -1.1 -0.5	-0.2 -0.5	-0.3	-0.4 0.1 0	10 -0.0	-0.1 -0.2 -0.1 -0.1	-0.9 -0.9	-1.0 -1.0	-0.9 -1.0 -0.5 -0.5	-1.4 -4 -0.6 -4	0.9 -0.0 -	0.9 0.7	0.1 -0.2	-2.4	0.7 1.7 0	1.2 -0.3	0.0 -0.0	0.1 -0.4 0.4
FFMP_Ipung_plant_elabed FFMP_Ipung_plant_elabed FFMP_Ipung_plant_elabed FFMP_Ipung_plant_elabed FFMP_IPUNG_CR FFMP_IPUNG_CR HIRR JER_1 JER_2	42 43 44 44 44 44 44 44 44 44	1.1 2.1 -0.0 0.2 0.3 0.0 1.1 1.2 -0.0 100.0 -20.6 -0.0 -20.6 100.0 0.0	-0.3 0.2 -0.1 -0.0 -0.1 0.0 -0.1 0.1 -0.0	0.2 -0.1	-0.3 -0.0 -0	0.1 0.1 0.0	-0.0 0.2	0.1 -0.	2 -0.2 0	1 -01			• • • • •								0.3	i .				• • • •				
FFNP_Sprong_tiskin_staken0 FFNP_SS_CR FFNP_OS_CR HttlisR JER_1 JER_2	22 01 05 05 05 05 05 05 05 05 05 05 05 05 05	0.2 0.3 0.0 1.1 1.2 -0.0 100.0 -20.6 -0.0 -20.6 100.0 0.0	-0.0 -0.1 0.0 -0.1 0.1 -0.0 -0.7 0.3 0.6	-0.00.0	0.0 0.0 0.						-0.00.1	0.2 0.0	-1.0 -0.8	-0.1 -0.3	-0.2	-0.4 0.0 0	10 -0.0	-0.10.1	-0.3 -0.3	-0.3 -0.3	-0.3	-0.5	0.3 -0.0 -	1.0 0.4	0.0 -0.1	-1.0	0.4 0.9 0	0.0 -0.2	0.0 -0.0	-0.0 -0.2 0.1
FFNP_SS_CR FFNP_OS_CR HIBBR JER_1 JER_2	40 42 41 41 00 00 100 100 100 100 100 100 100	1.1 1.2 -0.0 100.0 -20.6 -0.0 -20.6 100.0 0.0	-0.1 0.1 -0.0 27 0.3 0.6			.0 -0.0 -0.0	-0.0 -0.0	-0.0 0.	1 0.0 -0	0.0	0.0 0.0	-0.0 -0.0	0.1 0.1	0.0 0.1	0.0	0.0 -0.0 0	0.0	0.0 0.0	0.0 0.1	0.1 0.1	0.1 0.1	0.1 0	2.1 0.0 0	0.2 0.0	0.0 0.0	0.2	2.1 -0.2	0.0 0.0	0.0 0.0	-0.0 0.1 -0.1
FFNP_OS_CR HttllR JER_1 JER_2	124 23 15 11 02 1.1 219 24 18 21 03 12 -1.1 00 00 -0.0 00 -0.0 -1.0 04 -0.2 0.3 0.0 -0.1 55 00 02 02 02 0.1 0.1	-20.6 100.0 0.0		0.1 -0.1	-0.2 -0.0 -0	0.0 0.1 0.0	-0.0 0.1	0.0 -0.	1 -0.1 0	.1 -0.0	0.0 -0.0	0.1 0.0	-0.7 -0.3	-0.0 -0.2	-0.1	-0.1 0.0 0	0.0	-0.0 -0.0	-0.3 -0.4	-0.4 -0.4	-0.4 -0.4	-0.5 -4	0.4 -0.0	0.7 0.5	-0.0 -0.1	-1.2	0.3 0.7 0	0.0 -0.2	-0.0 -0.1	-0.0 -0.3 0.3
HttBR JER_1 JER_2	-1.1 -0.0 0.0 -0.0 0.0 -0.0 -1.0 -0.4 -0.2 -0.3 -0.0 -0.1 5.3 -0.0 -0.2 -0.2 -0.1 -0.1		46 07 07	-1.9 1.0	2.1 -0.1 0.	9 -0.7 -0.4	0.8 -2.4	-0.5 0.	1 0.5 4	0.7	0.2 0.8	-0.3 -0.4	10.1 4.2	0.6 2.6	1.6	2.1 -0.4 -	0.2 0.7	0.6 0.7	4.6 4.9	49 49	49 49	6.6 4	19 02 8	0.0 11.0	-0.0 1.4	13.2	33 -85	0.1 2.0	-0.5 -0.3	-0.7 32 -2.5
JER_2	1.0 0.4 0.2 0.3 0.0 0.1 5.3 0.0 0.2 0.2 0.1 0.1	-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 0.1	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 -4	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
1-	53 00 02 02 -0.1 0.1	2.7 4.6 0.0	100.0 -2.7 0.5	2.0 -1.0	-0.1 0.9 1.	.1 1.8 1.1	0.0 -1.2	0.5 1.	7 1.7 4	.1 -0.0	-0.0 -0.0	-0.3 0.1	-3.0 -0.9	-0.0 -0.1	-0.8	-2.5 -1.0	0.1 -0.1	-0.0 -0.1	-0.5 -0.5	-0.5 -0.5	-0.5 -0.5	-0.4 -4	0.5 -0.2	0.4 6.1	0.7 -0.0	4.6	2.1 0.7	1.7 -0.4	1.9 1.9	-0.8 -0.1 -2.5
JER,3		0.3 -0.7 -0.0	-2.7 100.0 0.5	0.1 -0.8	14 11 4	0.2 - 0.3 - 0.5	-0.0 1.6	-0.4 2.5	5 1.3 -1	.1 -0.3	-0.30.6	-2.2 0.4	-1.9 4.2	0.6 1.1	-0.5	-0.8 -0.6	0.1 0.1	-0.5 -0.5	-1.6 -1.1	4.1 4.1	4.1 4.1	-2.0	1.1 0.0 2	2.2 7.4	-0.3 0.5	-4.8	.2 -3.1 -	0.8 1.7	1.7 1.6	0.1 2.6 -4.0
	2.6 -0.1 -0.1 -0.1 0.0 -0.0	0.6 0.7 0.0	0.5 0.5 100.0	-0.2 0.2	-0.1 -0.2 -0	2.4 -0.3 -0.1	-0.1 0.5	0.0 -0.	3 -0.3 -0	.8 -0.2	-0.1 -0.3	0.1 0.0	-0.4 -0.1	-0.2 -0.4	0.0	0.2 0.2 -	0.0 -0.0	-0.3 -0.3	-0.7 -0.6	-0.6 -0.6	-0.6 -0.6	-1.2 -4	0.6 -0.0 -	0.5 -0.4	0.0 -0.1	-0.0	0.3 0.8 0	0.3	-0.2 -0.2	0.1 0.3 0.1
JER_4 JER_5	-06 -02 -00 -01 -00 -01	1.0 23 0.0	-1.0 -0.8 0.2	0.2 100.0	0.4 -0.6 -1 -0.6 0.3 0.	2 03 0.1	-0.0 -0.4	0.1 0.	1 -2.0 -4	4 0.4	0.3 0.6	-0.0 0.2	-0.2 -1.2	0.1 0.5	0.5	-0.8 -0.1 -1	0.2 0.1	-0.4 -0.4	1.0 0.8	0.8 0.8	0.8 0.8	1.8 0	0.3 0.2	0.1 -4.6	-1.0 0.2	-10.6	14 -2.1	0.1 -0.9	-0.9 -0.9	-0.4 23 -0.1
JER_6	-1.6 -0.4 -0.2 -0.3 0.0 -0.2	2.1 3.9 -0.0	-0.1 1.4 -0.1	0.4 -0.6	100.0 -0.1 0.	2 05 00	-0.1 -0.9	0.3 0.	8 -0.5 0	9 0.5	0.4 0.8	0.8 0.1	-0.3 -3.1	-0.0 -0.3	0.3	-0.6 0.1 0	1.0 -0.2	0.6 0.7	1.3 0.9	0.9 0.9	0.9 0.9	2.2	0.0 0.0	1.5 2.4	-0.1 -0.2	-43	0.5 1.0 0	1.2 -1.8	-0.7 -0.7	0.1 -2.5 2.5
JER_7restTerm	1.0 -0.0 -0.0 -0.0 0.0 -0.0	-0.1 0.0 0.0	0.9 1.1 -0.2	-0.6 0.3	-0.1 100.0 -0	0.5 -0.5 -0.3	0.0 0.7	-0.0 -0.	8 -0.8 -1	.3 -0.2	-0.1 -0.3	0.5 -0.2	0.2 -0.4	-0.2 -0.3	0.2	0.2 0.3	0.0 0.0	-0.2 -0.2	-0.4 -0.3	-0.3 -0.3	-0.3 -0.3	-0.8 -4	0.3 0.0	0.9 -3.0	-0.2 -0.1	-1.3	0.3 0.6 (0.4 0.3	-0.4 -0.4	-0.2 0.4 0.4
JES_Modelling1	-3.2 -0.2 -0.0 -0.1 0.0 -0.0	0.9 1.2 0.0	1.1 -0.2 -0.4	-1.5 0.2	0.2 -0.5 100	-1.9 -0.6	-0.1 2.9	-0.2 -0.	9 -1.7 -4	.7 -0.7	-0.4 -1.1	0.0 -0.1	-0.9 0.5	-0.2 -0.4	-0.0	0.1 0.7	0.1 -0.0	-0.8 -0.9	-2.2 -1.7	-1.7 -1.7	-1.7 -1.7	-3.6 -1	1.7 0.1	1.3 -2.0	-0.6 -0.1	-8.4	0.3 0.1 0	1.7	-0.4 -0.4	-0.1 23 -0.8
JET_EtaInt_Modelling	-0.3 0.1 0.2 0.1 -0.0 0.1	-0.7 -1.2 0.0	1.8 -0.3 -0.3	-22 0.3	05 -0.5 -1	.9 100.0 -0.8	-0.1 3.1	-0.3 -0.	9 -20 -5	3.0- 8.1	-0.4 -1.1	-0.2 -0.1	0.5 1.6	-0.0 0.1	0.2	0.5 0.8	0.2 0.0	-0.8 -0.9	-2.0 -1.4	-1.4 -1.4	-1.4 -1.4	-3.3 -1	1.4 0.2 -	0.3 -2.5	-0.9 0.2	-10.4	12 -15	.0 2.2	-0.7 -0.6	-0.3 3.0 -0.5
JET_Etaint_NonClosure_2018data JET_Flavor_Composition	42 -0.0 -0.0 -0.0 -0.0 -0.0	0.8 1.1 -0.0	0.0 -0.0 -0.1	0.1 -0.0	-0.1 0.0 -0	2.1 -0.1 -0.0	100.0 0.1	0.0 0.1	0 -0.1 -0	.3 -0.0	-0.0 -0.0	-0.0 0.1	-0.2 -0.3	-0.0 -0.1	-0.1	-0.1 0.0 0	0.0	-0.0 -0.0	-0.1 -0.1	-0.1 -0.1	-0.1 -0.1	-0.2 -4	0.1 0.0 0	0.0 1.1	-0.0 -0.0	-0.7	0.0 0.0	0.0 -0.0	-0.0 -0.0	0.0 -0.1 0.1
JET_Flavor_Response	1.8 0.5 0.1 0.2 -0.0 0.1	-2.4 -1.6 0.0	-1.2 1.6 0.5	2.5 -0.4	-0.9 0.7 2.	9 3.1 0.9	0.1 100.0	0.5 0.5	9 2.4 7.	9 1.4	0.9 2.3	0.5 0.2	3.0 -2.5	0.4 0.7	-0.0	-0.2 -1.0 0	0.2 -0.1	1.8 2.0	4.8 3.9	3.9 3.9	3.9 3.9	7.8 3	1.9 -0.1 :	3.2 4.7	1.0 0.2	14.2	0.8 -1.1 -	1.5 -3.5	0.2 0.1	-0.1 -4.6 2.3
JET_JER_DataVsMC_MC16	23 0.1 0.1 0.1 -0.0 0.0	-0.5 -1.2 -0.0	0.5 -0.4 0.0	-0.4 0.1	03 -0.0 -0	0.2 -0.3 -0.1	0.0 0.5	100.0 0.	1 -0.1 -0	.8 0.0	0.0 0.0	-0.3 0.0	0.2 0.9	0.2 0.3	0.2	0.5 0.1 4	0.0 0.1	0.0 0.0	0.1 0.1	0.1 0.1	0.1 0.1	0.2	2.1 0.1 0	0.2 -1.1	-0.2 0.1	-1.7	2.1 -0.5	0.3 0.2	-0.1 -0.1	0.3 0.2 0.1
JET_Pileup_OffsetMu	-2.8 -0.2 -0.0 -0.2 0.1 -0.1	0.1 1.3 0.0	1.7 25 -0.3	-1.1 0.1	-0.8 -0.8 -0	.9 -0.9 -0.7	0.0 0.9	0.1 100	-1.9 -2	3 0.0	0.1 0.1	1.2 -0.3	0.6 -2.4	-0.3 -0.5	0.3	0.2 0.7	0.1 -0.0	0.1 0.1	0.3 0.2	0.2 0.2	0.2 0.2	0.2	0.2 0.1	2.2 -4.7	-0.5 -0.2	-6.2	0.7 1.1	2 -0.3	-1.3 -1.2	-0.1 -0.5 2.2
JET_Pileup_OffsetNPV JET_Pileup_RhoTopology	-2.4 -0.2 0.0 -0.2 0.0 -0.1	-0.2 -0.8 0.0	1.7 1.3 -0.3	-2.0 -0.1	09 -1.3 -4	1.7 -2.0 -0.9 1.7 -5.8 -2.1	-0.1 2.4	-0.1 -1.	3 -50 10	0.0 -1.4	-0.1 -0.4	-0.5 -0.2	0.4 -1.3	-0.1 -0.2	0.2	1.1 1.9	0.4 -0.0	-0.3 -0.3	-0.7 -0.5 -4.6 -3.4	-0.5 -0.5	-0.5 -0.5	-7.6	3.4 0.4	2.1 -3.5 1.6 -5.0	-1.0 -0.1	-13.2	12 -3.1	28 48	-1.7 -1.7	-0.4 0.5 -1.4 -0.4 0.5 -1.4
LumiUncertainty	-1.6 -0.2 -0.1 -0.1 0.0 -0.0	0.7 0.5 0.0	-0.0 -0.3 -0.2	-0.3 0.4	05 -0.2 -0	0.7 -0.6 -0.1	-0.0 1.4	0.0 0.1	0 -0.3 -1	1.4 100.0	-0.4 -1.1	-0.1 -0.1	-1.3 0.9	-0.4 -0.6	-0.1	-0.2 0.1 -	0.0 0.0	-0.8 -1.0	-2.2 -1.8	-1.8 -1.8	-1.8 -1.8	-3.6 -1	1.8 -0.1	0.8 -1.4	0.1 -0.2	1.4	0.4 1.2 -	0.0 1.4	0.4 0.4	-0.1 1.9 -1.3
MEDIUM_taulD_1PGE40	-1.3 -0.1 -0.0 -0.0 0.0 0.0	0.2 0.1 0.0	-0.0 -0.3 -0.1	-0.2 0.3	0.4 -0.1 -0	0.4 -0.4 -0.0	-0.0 0.9	0.0 0.	1 -0.1 -1	1.0 -0.4	-0.7	-0.1 -0.1	-0.7 0.7	-0.2 -0.3	-0.0	-0.1 0.1 -4	0.0 0.0	-0.5 -0.6	-1.4 -1.1	-1.1 -1.1	4.1 4.1	-2.3	1.1 -0.0	0.3 -0.8	0.1 -0.1	1.1	0.2 0.6	0.0 1.0	0.3 0.3	-0.1 1.4 -1.3
MEDIUM_taulD_SYST	-0.7 -0.2 -0.1 -0.1 0.0 -0.0	0.8 0.5 0.0	-0.0 -0.6 -0.3	-0.5 0.6	0.8 -0.3 -1	1.1 -1.1 -0.1	-0.0 2.3	0.0 0.	1 -0.4 -2	1.5 -1.1	-0.7 100.0	-0.2 -0.2	-1.9 1.6	-0.6 -0.9	-0.1	-0.2 0.2	0.0 0.0	-1.4 -1.6	-3.6 -2.9	-3.0 -2.9	-3.0 -3.0	-6.0	3.0 -0.1	1.0 -2.3	0.1 -0.2	23	0.5 1.6	0.0 2.5	0.6 0.7	-0.2 33 -3.0
MET_SoftTrk_ResoPara MET_SoftTrk_ResoPerp	27 0.1 0.1 0.2 0.0 0.1	-0.3 -1.8 -0.0	01 04 00	0.0 -0.0	0.8 0.5 0.	0 -02 0.1	-0.0 0.5	-0.3 1.	2 0.8 -0	0.5 -0.1	-0.1 -0.2	100.0 0.3	-0.3 2.6	0.4 0.6	-0.0	05 -02 -4	0.0 0.1	-0.1 -0.1	-0.5 -0.3	-0.3 -0.3	-0.3 -0.3	-0.5 -4	0.3 0.0 1	03 24	-0.1 0.2	-1.0	0.6 -1.5	0.2 0.6	0.6 0.5	0.4 0.8 -1.1
ME1_Soft In_Resoverp	66 -1.9 -1.1 -1.0 01 -0.7	10.1 11.7 0.0	-3.0 -1.9 -0.4	1.5 -0.2	-03 02 -0	0.9 0.5 0.6	-0.2 3.0	0.2 0.1	6 0.4 0	3 -13	-0.7 -1.9	-0.3 0.4	100.0 -0.7	-0.9 -2.4	-1.2	-1.8 0.0 0	0.1 -0.1	-1.5 -1.8	5.7 -5.4	54 54	54 54	-8.8	5.4 -0.3	6.7 2.8	0.5 -1.1	-2.0	27 7.9	13 05	1.4 1.3	1.1 03 -1.3
TES_DETECTOR <	-23.5 -0.7 -0.5 -0.8 0.1 -0.3	4.2 10.2 0.0	-0.9 42 -0.1	1.3 -1.2	-3.1 -0.4 0.	5 1.6 0.1	-0.3 -2.5	0.9 2.	4 -1.3 3	1 0.9	0.7 1.6	2.6 -0.1	-0.7 100.0	-0.4 -1.2	-0.6	-2.2 0.2 0	0.1 -0.5	13 14	3.2 2.3	23 23	23 23	5.0 2	1.3 -0.1	3.9 1.8	0.2 -0.6	-3.4	1.4 3.3 (3.3 -3.9	-1.3 -1.3	-0.2 -5.2 4.9
TES_INSITUEXP	-0.70.20.1 -0.1 -0.00.0	0.6 1.1 -0.0	-0.0 0.6 -0.2	0.1 0.3	-0.0 -0.2 -0	0.2 -0.0 0.0	-0.0 0.4	0.2 -0.	3 -0.1 -0	0.0 -0.4	-0.2 -0.6	0.4 -0.1	-0.9 -0.4	100.0 -0.7	-0.1	-0.2 0.1 0	0.0 -0.0	-0.5 -0.5	-1.2 -1.1	4.1 4.1	4.1 4.1	-2.1	1.1 -0.1 -	1.0 -1.3	0.3 -0.2	3.5	0.5 1.7	0.1 0.5	0.2 0.2	-0.0 0.6 -0.3
TES_INSITUFIT .	-1.1 -0.5 -0.4 -0.3 0.1 -0.2	2.6 3.5 0.0	-0.1 1.1 -0.4	0.5 0.4	-03 -03 -0	0.4 0.1 0.0	-0.1 0.7	0.3 -0.	5 -0.2 0	.1 -0.6	-0.3 -0.9	0.6 -0.0	-24 -12	-0.7 100	-0.3	-0.4 0.2 0	0.1 -0.1	-0.6 -0.8	-1.9 -1.8	-1.8 -1.8	-1.8 -1.8	-3.3	1.8 -0.1	2.3 -1.0	0.4 -0.5	3.8	1.2 3.7	0.1 0.3	0.1 0.1	0.3 0.1 -0.1
TES_MODEL_CLOSURE TES_PHYSICSLIST	-3.1 -0.3 -0.2 -0.2 -0.0 -0.1 -8.9 -0.4 -0.1 -0.4 -0.0 -0.1	1.6 2.5 0.0 2.1 4.9 0.0	-0.8 -0.5 -0.0 -2.5 -0.8 0.2	0.5 -0.3	-03 02 -0	0.0 0.2 0.2 1.1 0.5 0.4	-0.1 -0.0	0.2 0.	2 -0.0	.1 -02	-0.0 -0.1	0.5 -0.1	-1.2 -0.6	-0.1 -0.3	-0.7	-0.7 -0.1 0	0.0 -0.2	-0.1 -0.1	-0.6 -0.6	-0.6 -0.6	-0.6 -0.6	-0.8 -4	0.6 -0.1	1.1 3.7	0.1 -0.1	-0.7	0.2 0.5	0.4 -0.1	0.3 0.2	-0.1 -0.1 -0.4
bag_B_0	-0.7 0.1 0.0 0.0 -0.0 0.0	-0.4 -0.2 -0.0	-1.0 -0.6 0.2	0.7 -0.1	0.1 0.3 0.	7 0.8 0.4	0.0 -1.0	0.1 0.5	7 0.9 1.	9 0.1	0.1 0.2	-0.2 0.1	0.0 0.2	0.1 0.2	-0.1	-0.4 100.0	0.0	02 02	0.4 0.4	0.4 0.4	0.4 0.4	0.8 0	1.4 -0.1 0	0.9 1.8	0.3 0.1	45 (13 -0.4	0.7 -0.2	0.6 0.6	-0.2 -0.2 -0.8
diboson scale	0.0 0.0 0.0 0.0 0.0	-0.2 -0.2 -0.0	0.1 -0.1 -0.0	-0.2 -0.0	0.0 -0.0 -0	0.1 -0.2 -0.1	0.0 0.2	-0.0 -0.	1 -0.2 -0	0.4 -0.0	-0.0 -0.0	-0.0 -0.0	0.1 0.1	0.0 0.1	0.0	-0.0 0.0	0.0	-0.0 -0.0	-0.1 -0.0	-0.0 -0.0	-0.0 -0.0	-0.1 -4	0.0 0.0	0.1 -0.2	-0.1 0.0	-1.0	2.1 -0.3 (0.0 0.2	-0.0 -0.0	-0.1 0.2 -0.1
SMhiggs Theory	-as -ao -ao -ao -ao	0.7 1.1 0.0	-0.1 0.1 -0.0	0.1 -0.1	-0.2 0.0 -0	0.0 0.0 0.0	-0.1 -0.1	0.1 -0.	0 -0.1 -0	0.0 0.0	0.0 0.0	0.1 0.0	-0.1 -0.5	-0.0 -0.1	-0.1	-0.2 0.0 0	100.0	0.0 0.0	-0.0 -0.1	-0.0 -0.0	-0.0 -0.0	-0.0 -4	0.0 -0.0 -	0.0 0.9	0.0 -0.0	-0.5	0.0 0.0	0.1 -0.1	-0.0 -0.0	-0.0 -0.2 0.1
tauEveto_TOTAL tauRecon_TOTAL	-24 -0.1 -0.1 -0.1 0.0 -0.0	0.6 0.4 0.0	-0.0 -0.5 -0.3	-0.4 0.5	0.6 -0.2 -0	0.8 -0.8 -0.1	-0.0 1.8	0.0 0.	1 -0.3 -1	.9 -0.8	-0.5 -1.4	-0.1 -0.1	-1.5 1.3	-0.5 -0.6	-0.1	-0.2 0.2 -	0.0 0.0	100.0 -1.2	-2.7 -2.2	-22 -22	-22 -22	45 4	22 -0.1	0.8 -1.7	0.1 -0.1	1.8	0.4 1.2 -	0.0 1.9	0.5 0.5	-0.2 25 -2.5
tauRecon_TOTAL tauTrigger_STATDATA161718	-0.5 -0.9 -0.4 -0.3 -0.0 -0.3	4.6 33 0.0	-0.5 -1.6 -0.7	-0.7 1.0	13 -0.4 -2	12 -20 -0.2	-0.0 2.0	0.1 0.	3 -0.7 -4	1.6 -2.2	-1.6 -1.6	-0.5 -0.1	-1.0 1.4 -5.7 3.2	-1.2 -1.9	-0.1	-0.7 0.4	0.1 -0.0	-1.2 100.0	100.0 -7.2	7.2 7.2	-26 -28 -72 -72	-13.4	72 03 -	3.4 -1.5	0.2 -0.6	0.6	1.5 4.4	0.1 4.4	1.2 1.3	-2 28 -25 -03 58 -53
tauTrigger_STATDATA2018	1.0 -0.9 -0.5 -0.3 0.1 -0.4	4.9 3.8 -0.0	-0.5 -1.1 -0.6	-0.3 0.8	0.9 -0.3 -1	1.7 -1.4 -0.1	-0.1 3.9	0.1 0.	2 -0.5 -3	1.4 -1.8	-1.1 -2.9	-0.3 -0.1	-5.4 2.3	-1.1 -1.8	-0.6	-0.6 0.4 -4	0.0 -0.1	-2.2 -2.6	-7.2 100.0	-63 -63	-6.3 -6.3	-11.4	83 -03 -	3.6 -0.8	0.2 -0.7	0.1	1.6 4.6	0.0 3.2	1.0 1.0	-0.0 42 -3.5
tauTrigger_STATMC161718	12 -1.0 -0.5 -0.3 <mark>0.1</mark> -0.4	4.9 3.7 -0.0	-0.5 -1.1 -0.6	-0.3 0.8	0.9 -0.3 -1	1.7 -1.4 -0.1	-0.1 3.9	0.1 0.2	2 -0.5 -3	1.4 -1.8	-1.1 -3.0	-0.3 -0.1	-5.4 2.3	-1.1 -1.8	-0.6	-0.6 0.4 -	0.0 -0.0	-2.2 -2.6	-7.2 -6.3	100.0 -6.3	-6.3 -6.3	-11.4	83 -03 -	3.6 -0.9	0.2 -0.7	0.2	1.6 4.6 -	0.0 3.2	1.0 1.0	-0.0 42 -3.5
tauTrigger_STATMC2018	12 -1.0 -0.5 -0.3 0.1 -0.4	4.9 3.7 0.0	-0.5 -1.1 -0.6	-0.3 0.8	0.9 -0.3 -1	1.7 -1.4 -0.1	-0.1 3.9	0.1 0.	2 -0.5 -3	1.4 -1.8	-1.1 -2.9	-0.3 -0.1	-5.4 2.3	-1.1 -1.8	0.6	-0.6 0.4	0.0 -0.0	-2.2 -2.6	-7.2 -6.3	-6.3 100.0	-63 -63	-11.4	5.3 -0.3	3.6 -0.9	0.2 -0.7	0.2	1.6 4.6	0.0 3.2	1.0 1.0	-0.0 42 -3.5
tauTrigger_SYST161718 tauTrigger_SYST2018	12 -1.0 -0.5 -0.3 0.1 -0.4	49 37 00	-0.5 -1.1 -0.6	-0.3 0.8	09 -03 -1	1.7 -1.4 -0.1	-0.1 39	0.1 0.	2 -0.5 -3	1.4 -1.8	-1.1 -3.0	-0.3 -0.1	-5.4 23	44 48	-0.6	-0.6 0.4	0.0 -0.0	-22 -26	-72 -63 -72 -63	63 63	-63 100	-11.4	t3 -03 -	3.6 -0.9	0.3 -0.7	0.2	1.6 4.6	0.0 3.2	1.0 1.0	-0.0 42 -35
tauTrigger_SYSTMU161718	-2.1 -1.4 -0.6 -0.5 0.1 -0.5	6.6 4.7 -0.0	-0.4 -2.0 -1.2	-1.3 1.8	22 -0.8 -3	16 -33 -04	-0.2 7.8	0.2 0.	2 -1.3 -7	8. 3.6	-2.3 -6.0	-0.5 -0.3	-8.8 5.0	-2.1 -3.3	-0.8	-1.0 0.8 -	0.1 -0.0	45 -52	-13.4 -11.4	-11.4 -11.4	-114 -114	100.0	1.4 -0.4	5.6 -4.3	0.4 -1.0	3.0	2.6 7.6	0.0 7.2	1.9 2.1	-0.4 9.5 -8.5
tauTrigger_SYSTMU2018	12 - 09 - 05 - 03 - 01 - 04	4.9 3.8 -0.0	-0.5 -1.1 -0.6	-0.3 0.8	0.9 -0.3 -1	1.7 -1.4 -0.1	-0.1 3.9	0.1 0.2	2 -0.5 -3	1.4 -1.8	-1.1 -3.0	-0.3 -0.1	-5.4 2.3	-1.1 -1.8	-0.6	-0.6 0.4 -4	0.0 -0.0	-2.2 -2.6	-72 -63	-6.3 -6.3	-6.3 -6.3	-11.4	-0.3	3.6 -0.9	0.3 -0.7	0.2	1.6 4.6	0.0 3.2	1.0 1.0	-0.0 42 -3.5
top FSR	-0.2 -0.0 -0.0 -0.0 -0.0	0.2 0.2 0.0	-0.2 0.0 -0.0	0.2 0.0	0.0 0.0 0.	1.1 0.2 0.1	-0.0 -0.1	0.1 0.	1 0.2 0	4 -0.1	-0.0 -0.1	0.0 0.0	-0.3 -0.1	-0.1 -0.1	0.0	-0.1 -0.1 0	2.0 -0.0	-0.1 -0.1	-0.3 -0.3	-0.3 -0.3	-0.3 -0.3	-0.4 -4	0.3 100.0	0.1 0.1	0.2 -0.1	1.8	0.1 0.5	0.1 0.0	0.2 0.2	0.0 0.1 -0.5
only τ_{aa} real modelling	-29 -16 -09 -10 02 -07	-7.4 -11.9 -0.0	61 74 04	-0.1 -0.2	-1.5 -0.9 -1	13 -03 -03	0.0 3.2	0.2 -2.	2 -2.1 -1 7 -35 -	1.5 -0.8	-0.3 -1.0	1.5 -0.3	28 10	-1.0 -2.3	-0.3	3.7 18	0.1 -0.0	-0.8 -1.0	-1.5 -0.0	-3.6 -3.6	-3.6 -3.6	-5.6 -3	0.9 01	6.4 100.0	-0.4 -1.4	12.0	20 5*	1.5 -0.8	-0.6 -0.5	0.9 -1.5 2.4
#ISR	07 -0.0 0.1 0.0 0.0 -0.0	-0.0 -0.2 -0.0	0.7 -0.3 0.0	-1.0 -0.3	-0.1 -0.2 -0	0.6 -0.9 -0.4	-0.0 1.0	-0.2 -0.	5 -1.0 -2	23 0.1	0.1 0.1	-0.1 -0.0	0.5 0.2	0.3 0.4	0.1	0.2 0.3	0.1 0.0	0.1 0.2	0.2 0.2	0.2 0.2	0.3 0.2	0.4 0	3 02	0.4 -0.4	100.0 0.1	-8.8	12 -1.3	0.6 0.1	-0.5 -0.5	-0.1 0.2 0.7
₫ PDF	0.4 -0.3 -0.2 -0.1 0.0 -0.1	1.4 1.5 -0.0	-0.0 0.5 -0.1	0.2 0.1	-0.2 -0.1 -0	0.1 0.2 0.0	-0.0 0.2	0.1 -0.	2 -0.1 0	3 -02	-0.1 -0.2	0.2 -0.0	-1.1 -0.6	-0.2 -0.5	-0.1	-0.1 0.1 0	0.0 -0.0	-0.1 -0.2	-0.6 -0.7	-0.7 -0.7	-0.7 -0.7	-1.0 -4	0.7 -0.1 -	1.4 -0.7	0.1 100.0	0.6	0.6 1.8 0	12 -0.2	-0.0 -0.0	0.3 -0.4 0.4
dPS	18 - 24 -01 -10 -02 -12	132 • 16.0 • -0.0	4.6 -4.8 -0.0	-10.65.9	43 -1.3 -8	1.410.44.5	-0.7 14.2	-1.76.	2 -13.2 -2	8.7 1.4	1.1 23	-1.0 0.7	-2.0 -3.4	35 38	-0.7	-0.9 4.5	1.0 -0.5	18 22	0.6 0.1	0.2 0.2	0.2 0.2	3.0 0	2.2 1.8 -1	12.5 12.0	-8.8 0.6	100.0	0.1 -10.7	8.1 -1.6	-7.17.2	-0.41.7 . 12.8
ti scale	08 -0.7 -0.4 -0.4 0.1 -0.3	33 38 -00	0.1 12 -0.3	0.4 0.2	-05 -03 -0	0.3 0.2 -0.0	0.0 0.8	0.1 -0.	7 -0.4 0	2 -0.4	-0.2 -0.5	0.6 -0.0	79 10	-0.5 -1.2	-0.2	0.2 0.3 0	0.1 -0.0	-0.4 -0.5	-1.5 -1.6	-1.6 -1.6	-1.6 -1.6	-2.6 -1	1.6 -0.1	3.5 -2.0	0.2 -0.6	-0.1	42 0	08 40	-0.2 -0.1 -0.3 -0.4	0.7 -0.9 1.1
ti hdamp zti scale	-1.9 1.7 1.2 0.9 0.2 0.7 -0.6 0.2 0.0 0.0 -0.0 0.0	0.1 • 0.1 • 0.0	-1.7 -0.8 0.2	1.2 -0.1	02 04 0	9 1.0 0.6	-0.0 -1.5	0.3 1.	2 1.3 2	8 -0.0	-0.0 -0.0	-0.2 -0.0	0.3 0.3	-0.1 0.1	-0.4	-0.9 -0.7 -0	0.0	-0.0 -0.0	-0.1 -0.0	-0.0 -0.0	-0.0 -0.0	-0.0	0.0 -0.1	1.6 3.8	0.6 0.2	8.1	16 -0.8			-1.3 05 -2.2
212 α,	-1.8 -0.3 -0.3 -0.2 -0.0 -0.2 -0.2 -0.3 -0.2 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0	2.0 2.8 0.0	-0.4 1.7 0.3	1.6 -0.9	-1.8 0.3 1.	7 22 0.4	-0.0 -3.5	0.2 -0.	3 0.8 4	8 1.4	1.0 2.5	0.6 0.3	0.5 -3.9	0.5 0.3	-0.1	0.0 -0.2 0	1.2 -0.1	1.9 2.1	4.4 3.2	3.2 3.2	32 32	7.2 3	1.2 0.0	0.8 3.5	0.1 -0.2	-1.6	0.4 1.0 0	12 100.0	-0.9 -0.9	
zm CT14 pdf	0.3 -0.0 0.0 0.0 0.0 -0.0	-0.5 -0.3 0.0	1.9 1.7 -0.2	-0.9 -0.0	-0.7 -0.4 -0	24 -0.7 -0.6	-0.0 0.2	-0.1 -1.	3 -1.3 -1	.7 0.4	0.3 0.6	0.6 0.0	1.4 -1.3	0.2 0.1	0.3	0.8 0.6	0.0 -0.0	0.5 0.6	1.2 1.0	1.0 1.0	1.0 1.0	1.9 1	.0 0.2	0.6 -1.5	-0.5 -0.0	-7:1	0.2 -0.3	1.1 -0.9	100.0 -1.4	0.4 -1.4 2.9
211 MMHT pdf	-0.1 - 0.0 - 0.0 - 0.0 - 0.1	-0.3 • 0.4 • -0.0	1.9 1.6 -0.2	-0.9 -0.1	-0.7 -0.4 -0	0.4 -0.6 -0.6	-0.0 0.1	-0.1 -1.	2 -1.2 -1	1.7 0.4	0.3 0.7	0.5 0.0	13 -13	0.2 0.1	0.2	0.7 0.6	0.0 -0.0	05 0.6	1.3 1.0	1.0 1.0	1.0 1.0	2.1 1	.0 0.2	0.5 -1.1	-0.5 -0.0	-7.2	0.1 -0.4	2 -0.9	-1.4 100.0	0.4 -1.4 2.9
211 PDF	-0.4	32 40 -00	-0.8 0.1 0.1	23 .11	-25 04 2	3 30 05	-0.1 -46	0.3 -0.	5 11 8	5 1.9	14 33	0.4 -0.4	0.3 52	0.6 0.1	-0.1	0.4 0.2	0.1 -0.0	-0.2 -0.2 25 28	5.8 4.3	42 42	42 42	2.5	2 9.1	1.5 4.6	0.1 0.3	-0.4	0.9 22	1.5 -6.1	-14 -14	1.7 100.0 7.8
zm qsf	-1.8 • 0.4 • 0.4 • 0.1 • -0.1 • 0.3	-25 -25 -00	-2.9 -4.0 0.1	-0.1 0.7	25 0.4 0	28 -09 -06	0.1 2.3	0.1 2:	2 1.1 -1	1.5 -1.7	-1.2 -3.0	-1.1 -0.3	-1.7 4.9	-0.7 -0.1	-0.4	-1.7 -0.8	0.1 0.1	-23 -25	-5.3 -3.9	39 -39	-39 -39	-8.5	3.9 0.3	24 -0.2	0.7 0.4	12.6	1.1 -1.6	22 53	29 29	2.1 7.8 100
_																- 0							m							
	H FFNP_throng_thato_eathing FFNP_throng_thato_eathing FFNP_throng_thato_eathing FFNP_throng_thato_eathing FFNP_throng_thato_eathing	FFNP_SS_CR FFNP_OS_CR HEBR	JER 2	A A	JER_Trestform	JES_Modeling JET_Etaint_Modeling NonClosure_2018date	responsition Response	JET_JER_DetaVM/C_MC16	JET_Risup_Ofsatt@V	eup_reno raparagy Lum/Uncertainty	MEDIUM_bulb_sPG540	ResoPani ResoPerp	PRW TES_DETECTOR	TES_INSITUE XP	COSURE	NSICSLIST btag_B_0	diboson scale SMHggs Theory	tauRecon_TOTAL	uTrigger_STATDATA161718 tauTrigger_STATDATA2018	AC161716 TAC2018	ST161718 YST2018	bauTrigger_SYSTAU161718	TMUZO18 top FSR	modeling dFSR	dish depor	2	the scale	24 82 gr	CT14pd MHTpd	M dd H
	q THRP, "poorg_trabio_ceabio" FFNP, "poorg_trabio_ceabio FFNP, "poorg_trabio_ceabio FFNP, "poorg_trabio_ceabio FFNP, "poorg_trabio_ceabio FFNP, "poorg_trabio_ceabio	FN.			E	JES_Baint_Modeling	JET_Pave_Comp	ER_Deta/VMC_MC16	JET_Phisup_Ofsether	tumin in	EDIUM_buiD_9PGE40	MET_Sofffrk_ResoPan MET_Sofffrk_ResoPen	TES.DE	TES_IN	MODEL_CLOSUR	TES_PHYSICSLIST	SMhg	tau Evet	lgger_STATDATA161718 Trigger_STATDATA2018	bauTrigger_STATIAC161718 bauTrigger_STATIAC2018	tauTrigger_SYST161716 BuTrigger_SYST2018	ATSYSTA	tau Tngger_SY STMU201 top PSP	, 1 No.					# #	
	FNP_tpn FNP_tpn FNP_tpn FNP_tpn					JE	JET	ET.JER	, p	Ì	MEDIL	MET			TES J.	-			Jirigger tauTrigge	tau Triggić tau Trig	tauTri tau	tauTriggs	E. S.	8						
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