F	24 10 43 1 22 103 27 1 27 4 15 13 144 23 103 103 103 103 103 103 103 103 103 10	3 -0.0 1.1 -3.6
FFNP_1prong_ptbin0_etabin0 FFNP_1prong_ptbin0_etabin1	22 (100) 22 (22 (21 (22 (21 (22 (21 (22 (21 (22 (21 (22 (21 (23 (21 (21 (21 (23 (21 (21 (21 (21 (21 (21 (21 (21 (21 (21	0 02 05 04
FFNP_1prong_ptbin1_etabin0	a a a a a a a a a a a a a a a a a a a	0 -0.0 -0.3 0.2
FFNP_1prong_ptbin2_etabin0		0.0 - 0.0 - 0.0
FFNP_SS_CR FFNP_OS_CR	33 22 14 10 33 38 32 22 13 (8 12 14 4 0 8 10 17 43 18 12 14 14 18 18 17 44 18 18 17 45 18 17 45 18 18 17 45 18 18 18 18 18 18 18 18 18 18 18 18 18	1 -0.7 3.4 -2.9
FFNP_OS_CR HttBR		0 -02 53 -4.1
JER_1	44 42 43 10 22 33 40 40 40 40 40 40 40 40 40 40 40 40 40	3 -1.0 0.3 -3.8
JER_2		9 0.2 3.1 -4.7
JER_3	4 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.1 0.1 0.4 -0.1
JER_4 JER_5	31, 21, 12, 21, 20, 13, 22, 43, 13, 23, 43, 13, 23, 43, 21, 44, 41, 23, 23, 23, 24, 27, 24, 23, 24, 27, 24, 23, 24, 27, 24, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24	0 -04 23 00
JER_6	2 4 2 2 4 3 2 2 2 4 3 2 4	7 0.1 -2.5 2.6
JER_7restTerm		3 -02 05 02
JES_Modelling1	21 22 28 28 28 28 28 28 28 28 28 28 28 28	2 -02 29 -1.5
JET_EtaInt_Modelling  JET_EtaInt_NonClosure_2018data	21 22 23 23 23 24 23 24 24 25 25 24 24 25 25 24 24 25 25 24 24 25 25 24 24 25 25 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25	7 -04 32 -1.1
JET_Flavor_Composition	a co co do da co	0 0.0 0.0 -0.1
JET_Flavor_Response	22 - 63 - 60 - 61 - 61 - 62 - 64 - 23 - 67 - 50 - 63 - 63 - 63 - 63 - 63 - 63 - 63 - 6	2 0.1 -5.5 3.5
JET_JER_DataVsMC_MC16	12 01 00 01 00 01 00 00 01 01 01 01 01 01	1 03 03 0.1
JET_Pileup_OffsetNu  JET_Pileup_OffsetNPV	33 42 41 42 10 10 12 10 10 13 14 43 41 41 41 41 41 41 41 41 41 41 41 41 41	3 -0.1 -0.4 22
JET_Pileup_RhoTopology	42 (40 (40 (40 (40 (40 (40 (40 (40 (40 (40	6 -0.6 72 -2.2
LumiUncertainty	47 41 40 40 61 65 41 48 44 46 43 44 84 65 47 48 47 41 41 17 60 60 43 17 88 45 13 41 41 17 60 60 43 17 88 45 13 41 41 17 65 65	5 -02 23 -22
MEDIUM_taulD_1PGE40		4 -0.1 1.6 -1.5
MEDIUM_taulD_SYST  MET_SoftTrk_ResoPara	25 1 41 1 40 1 40 1 10 1 40 1 40 1 40 1 4	5 05 00
MET_SoftTrk_ResoPerp	15 * C1 * C1 * C2 * C2 * C3 * C3 * C3 * C3 * C3 * C3	0 -0.4 0.5 -0.3
PRW	27 - 15 - 10 - 43 - 10 - 51 - 114 - 40 - 23 - 12 - 44 - 45 - 41 - 13 - 15 - 15 - 15 - 15 - 15 - 15 - 1	3 1.2 0.6 -1.8
TES_DETECTOR	485 47 48 48 48 48 48 48 48 48 48 48 48 48 48	0 -03 -54 45
TES_INSITUEXP TES_INSITUFIT	32 41 41 41 51 48 68 68 48 58 44 68 58 42 48 68 68 48 48 68 48 48 68 48 48 68 48 48 48 48 48 48 48 48 48 48 48 48 48	4 02 06 00
TES_MODEL_CLOSURE	42, 42, 41, 42, 44, 45, 81, 42, 82, 44, 45, 81, 42, 82, 44, 45, 81, 42, 82, 44, 45, 81, 42, 82, 44, 83, 81, 42, 82, 82, 82, 82, 82, 82, 82, 82, 82, 8	3 -02 00 -0.7
TES_PHYSICSLIST	43 '43 '41 '43 '40 '42 '51 '80 '44 '40 '41 '47 '41 '40 '43 '43 '43 '43 '43 '43 '43 '43 '43 '43	0 -1.3 0.6 -2.3
btag_B_0	2; 41 : 00 : 00 : 40 : 40 : 40 : 40 : 40 :	6 -02 -02 -09
btag_C_0	11, 00, 00, 00, 00, 01, 01, 00, 00, 00,	0 00 00 01
dboson scare t#I theory_uncer	41 40 40 40 40 40 40 40 40 40 40 40 40 40	1 -0.0 -0.2 0.2
tauEveto_TOTAL	47, 41, 40, 40, 61, 65, 43, 40, 44, 40, 44, 40, 64, 65, 43, 41, 40, 41, 41, 41, 41, 41, 42, 40, 42, 40, 41, 41, 41, 41, 41, 41, 41, 41, 41, 41	7 -0.3 3.0 -2.9
tauRecon_TOTAL	48 41 48 48 18 68 48 48 48 48 48 48 48 68 65 67 44 42 41 41 41 22 68 68 64 43 41 48 48 48 48 48 48 48 48 48 48 48 48 48	7 -0.3 3.3 -3.2
tauTrigger_STATDATA161718	5 - 10 - 20 - 20 - 20 - 20 - 20 - 20 - 20	4 -0.1 59 -5.6
tauTrigger_STATMC161718	13   14   15   15   15   15   15   15   15	1 02 43 40
tauTrigger_STATMC2018	13 10 10 10 10 10 10 10 10 10 10 10 10 10	1 02 43 40
tauTrigger_SYST161718	19, -10, -25, -44, -40, -52, -54, -45, -45, -45, -45, -45, -45, -45	1 02 43 40
tauTrigger_SYST2018	20 , 40 , 45 , 46 , 46 , 46 , 46 , 46 , 47 , 48 , 48 , 48 , 48 , 48 , 48 , 48	3 -0.4 102 0.4
tauTrigger_SYSTMU2018	15 - 10 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 24 - 25 - 25	1 02 43 40
top FSR	40 40 40 40 40 0 0 2 2 40 42 60 0 0 2 2 40 42 60 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 0.0 0.1 -0.3
only $\tau_{aa}$ real modelling	43 1.5 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	0 08 .14 33
#FSR #ISR	27 41 51 50 60 50 50 50 50 50 50 50 50 50 50 50 50 50	7 -0.1 02 09
# PDF	51 '42' 41' 41' 11' 12' 43 '42' 43' 43' 42' 41' 42' 41' 41' 11' 50' 41' 42' 41' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 41' 42' 42' 42' 42' 42' 42' 42' 42' 42' 42	0 03 -03 04
f PS	10 + 49 + 40 + 47 + 52 + 114 + 40 + 55 + 44 + 50 + 55 + 44 + 50 + 55 + 44 + 50 + 55 + 44 + 55 + 50 + 45 + 55 + 5	1 -0.7 -1.2 12.1
d'acaie	28   48   43   43   43   43   43   43   4	2 0.8 -0.7 1.1
if hdamp ztt scale		3 -14 08 -27
211 α <sub>6</sub>	45 44 43 42 40 22 38 60 41 21 64 15 70 45 8 22 24 83 60 41 21 64 15 70 45 8 22 24 83 40 41 41 82 42 10 53 11 12 22 86 83 87 44 80 86 40 81 42 40 82 40 82 40 82 40 83 40 40 40 40 40 40 40 40 40 40 40 40 40	2 12 -68 64
zm CT14 pdf	07 01 00 00 04 01 00 23 20 01 00 23 20 01 00 01 07 04 03 07 00 01 01 04 03 07 00 01 01 04 03 07 00 01 01 01 01 01 01 01 01 01 01 01 01	.6 0.5 -1.7 3.5
211 MMHT pdf	23 + 41 + 40 + 40 + 40 + 40 + 41 + 10 + 40 + 23 + 13 + 41 + 40 + 41 + 47 + 43 + 42 + 47 + 46 + 60 + 42 + 41 + 13 + 12 + 16 + 65 + 64 + 65 + 65 + 66 + 65 + 40 + 13 + 10 + 65 + 64 + 64	0.5 -1.8 3.6
211 PDF 211 ckk	11 45 45 45 45 40 34 55 40 15 15 40 15	5 100.0 20 -2.5 8 20 100.0 92
zn qsf	8 8 8 9 8 9 8 9 8 9 9 9 9 9 9 9 9 9 9 9	6 -25 92 1001
	by James in the Lord Lord Lord Lord Lord Lord Lord Lord	H H PC
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	# - 97979 # - 1774 - 4 # - 1	