ATLA	S Internal	
Ш	1111 1111 1111 1111	Zy Norm Wy Norm
		Wty Norm Wt Norm
1		uncalib_ljet uncalib_cjet
		uncalib_bjet
		tty_prod_var3c tty_prod_muR
		tty_prod_muF tty_prod_PDF4LHC_9
		tty_prod_PDF4LHC_8 tty_prod_PDF4LHC_6
		tty_prod_PDF4LHC_5 tty_prod_PDF4LHC_4
		tty_prod_PDF4LHC_28 ttv_prod_PDF4LHC_27
		tty_prod_PDF4LHC_26 tty_prod_PDF4LHC_22
		tty_prod_PDF4LHC_20 tty_prod_PDF4LHC_2
		tty_prod_PDF4LHC_19
		tty_prod_PDF4LHC_17 tty_prod_PDF4LHC_16
		tty_prod_PDF4LHC_15 tty_prod_PDF4LHC_12
		tty_prod_PDF4LHC_11 tty_prod_PDF4LHC_10
		tty_prod_PDF4LHC_1 tty_prod_Herwig7
		tty_dec_var3c tty_dec_muR
		tty_dec_muF
		tty_dec_fsr tty_dec_PDF4LHC_8
		tty_dec_PDF4LHC_6 tty_dec_PDF4LHC_5
		tty_dec_PDF4LHC_4 tty_dec_PDF4LHC_28
		tty_dec_PDF4LHC_26 tty_dec_PDF4LHC_22 tty_dec_PDF4LHC_20
		tty_dec_PDF4LHC_20 tty_dec_PDF4LHC_2
1		tty_dec_PDF4LHC_19 tty_dec_PDF4LHC_17
1		tty_dec_PDF4LHC_17 tty_dec_PDF4LHC_16 tty_dec_PDF4LHC_15
1		tty_dec_PDF4LHC_15 tty_dec_PDF4LHC_12 tty_dec_PDF4LHC_11
1		tty_dec_PDF4LHC_10
1		tty_dec_PDF4LHC_1 tty_dec_Herwig7
1		ttbar_var3c ttbar_pt_hard
1		ttbar Norm ttbar_muR
1		ttbar_muF ttbar_hdamp_var
1		ttbar_ndamp_var ttbar_Herwig7
1		efakeSF
1		diboson Norm Wty_muF
1		Wty_Herwig7 Wt_muF
		Wt_Herwig7 Photon_efflso
		Photon_ID PileunRW
		Muon_SF_Trigger_SYST Muon_SF_Isol_STAT
		Muon_SF_Isol_SHERPA_POWHEG Muon_SF_Isol_MI_I_WINDOW
		Muon_SF_ID_TRUTH Muon_SF_ID_PT_DEPENDENCY
		MUON_SCALE MUON MS
		MUON_ID MET_SoftTrk_Scale
		MET_SoftTrk_ResoPerp
		MET_SoftTrk_ResoPara Luminosity
		JVTscalefactor JET_Pileup_RhoTopology
		JET_Pileup_PtTerm JET_Pileup_OffsetNPV
		JET_Pileup_OffsetMu JET_JER_EffectiveNP_9
		JET_JER_EffectiveNP_8 JET_JER_EffectiveNP_7 JET_JER_EffectiveNP_6
		JET_JER_EffectiveNP_6 JET_JER_EffectiveNP_5
		JET_JER_EffectiveNP_4 JET_JER_EffectiveNP_3
		JET_JER_EffectiveNP_2 JET_JER_EffectiveNP_12restTerm
		JET_JER_EffectiveNP_11 JET_JER_EffectiveNP_10
		JET_JER_EffectiveNP_1 JET_JER_DataVsMC_MC16
		JET_Flavor_Response
		JET_Flavor_Composition JET_EtaIntercalibration_TotalStat
1		JET_EtaIntercalibration_NonClosure_posEta JET_EtaIntercalibration_NonClosure_negEta
1		JET_EtaIntercalibration_NonClosure_2018data JET_EtaIntercalibration_Modelling
1		JET_EffectiveNP_Statistical4 JET_EffectiveNP_Statistical2 JET_EffectiveNP_Modelling4
1		JET_EffectiveNP_Modelling4 JET_EffectiveNP_Modelling3 JET_EffectiveNP_Modelling2
1		.IFT EffectiveNP Modelling1
1		JET_EffectiveNP_Mixed3 JET_EffectiveNP_Mixed2
1		JET_EffectiveNP_Mixed1 JET_EffectiveNP_Detector1
1		JET_BJES_Response
1		Electron_Iso_SF_0 Electron_ID_SF_29 Electron_ID_SF_25
1		EG_SCALE_ALL EG_RESOLUTION_ALL
1		BTag_Light_9 BTag_Light_8
1		BTag_Light_7 BTag_Light_5
1		BTag_Light_5 BTag_Light_4 BTag_Light_3
1		BTag_Light_2
1		BTag_Light_16 BTag_Light_14
1		BTag_Light_13 BTag_Light_12
1		BTag_Light_11 BTag_Light_10
1		BTag_Light_1 BTag_Light_0
1		BTag_C_9 BTag_C_8
1		BTag_C_6 BTag_C_5
1		BTag_C_4 BTag_C_3
1		BTag_C_2
1		BTag_C_19 BTag_C_18 BTag_C_17
1		BTag_C_17 BTag_C_14
1		BTag_C_13 BTag_C_11
1		BTag_C_10 BTag_C_1
1		BTag_C_0 BTag_B_7
1		BTag_B_36 BTag_B_35
1		BTag_B_3 BTag_B 28
1		BTag_B_25 BTag_B_22
1		B1ag_B_22 BTag_B_21 BTag_B_2
1		BTag_B_12 BTag_B_1
Ш		BTag_B_0
-	$2 -1 \left(\frac{\Theta}{\Theta} \cdot \Theta_0 \right) / \Delta \Theta$ 1	2
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