

Details of the 74X SQL file Summer15_25nsV2

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L1 Pile Up Payloads



- AK4 PF & PFchs MC truth payloads created by Andrea Delgado. Retrieved by Alexx Perloff on August 31th, 2015.
 - These will be used directly for the 25ns GT for the time being. As soon as there are L1 residuals these will be replaced.
 - A 25ns MC GT will need to be made.
- AK8 PF & PFchs corrections are direct copies of their AK4 counterparts.
- The PFPuppi payloads are copies of the Summer15_50nsV5 PFPuppi payloads.

Official Recommendation Payloads:

	MC	DATA	#payloads
PF	Summer15_25nsV2_MC_L1FastJet_AK4PF.txt copy of AK4PF	Summer15_25nsV2_MC_L1FastJet_AK4PF.txt copy of AK4PF	4
PFchs	Summer15_25nsV2_MC_L1FastJet_AK4PFchs.txt copy of AK4PFchs	Summer15_25nsV2_MC_L1FastJet_AK4PFchs.txt copy of AK4PFchs	4
PFPuppi	Summer15_50nsV5_MC_L1FastJet_AK4PFPuppi.txt Summer15_50nsV5_MC_L1FastJet_AK8PFPuppi.txt	Summer15_50nsV5_DATA_L1FastJet_AK4PFPuppi.txt Summer15_50nsV5_DATA_L1FastJet_AK8PFPuppi.txt	4
Calo	N/A N/A	N/A N/A	0

Total L1: 12 payloads.



L1RC/L1Residual Payloads

NOT IN SQLITE FILE/DATABASE



- Not included

	MC	DATA	#payloads
PF	N/A	N/A	4
	N/A	N/A	
PFchs	N/A	N/A	4
	N/A	N/A	
PFPuppi	N/A	N/A	4
	N/A	N/A	
Calo	Empty Empty	Empty Empty	0

Total L1RC: 0 payloads.

- AK4 PF & PFchs derived by Andrea Delgado. Picked up by Alexx Perloff on August 31st, 2015.
- See Andrea's page
- These were derived on top of the L1's discussed in slide ??
- Set provided by Andrea was expanded by hand as follows
 - create DATA txt which are an exact copy of the MC.
 - create copies for L3Absolute from file L3Absolute.template.txt
 - Same number and jet collections as L2Relative files
 - All return a correction factor of one
 - Copy the AK4 PF & PFchs corrections to AK8 PF & PFchs
 - Copy PFPuppi corrections from Summer15_50nsV5_DATA

	MC	DATA	#payloads
PF	Summer15_25nsV2_MC.L2Relative_AK4PF.txt copy of AK4PF	Summer15_25nsV2_MC.L2Relative_AK4PF.txt copy of AK4PF	4
PFchs	Summer15_25nsV2_MC.L2Relative_AK4PFchs.txt copy of AK4PFchs	Summer15_25nsV2_MC.L2Relative_AK4PFchs.txt copy of AK4PFchs	4
PFPuppi	Summer15_50nsV5_MC.L2Relative_AK4PFPuppi.txt Summer15_50nsV5_MC.L2Relative_AK8PFPuppi.txt	Summer15_50nsV5_DATA.L2Relative_AK4PFPuppi.txt Summer15_50nsV5_DATA.L2Relative_AK8PFPuppi.txt	4
Calo	Empty Empty	Empty Empty	0

Total L2: 12 payloads Total L3: 12 payloads



L2L3Residuals Payloads



- Copies of Summer15_50nsV5
- Remember, the L2L3Residual corrections for MC are a scale factor of 1.

	MC	DATA	#payloads
PF	Summer15_50nsV5_MC.L2L3Residual_AK4PF.txt	Summer15_50nsV5_DATA.L2L3Residual_AK4PF.txt	4
	Summer15_50nsV5_MC.L2L3Residual_AK8PF.txt	Summer15_50nsV5_DATA.L2L3Residual_AK8PF.txt	
PFchs	Summer15_50nsV5_MC.L2L3Residual_AK4PFchs.txt	Summer15_50nsV5_DATA.L2L3Residual_AK4PFchs.txt	4
	Summer15_50nsV5_MC.L2L3Residual_AK8PFchs.txt	Summer15_50nsV5_DATA.L2L3Residual_AK8PFchs.txt	
PFPuppi	Summer15_50nsV5_MC.L2L3Residual_AK4PFPuppi.txt	Summer15_50nsV5_DATA.L2L3Residual_AK4PFPuppi.txt	4
	Summer15_50nsV5_MC.L2L3Residual_AK8PFPuppi.txt	Summer15_50nsV5_DATA.L2L3Residual_AK8PFPuppi.txt	
Calo	Empty Empty	Empty Empty	0

Total L2L3Residuals: 12 payloads.

- Copies of Summer15_50nsV5

Uncertainty Payloads:

	MC	DATA	#payloads
PF	Empty Empty	Empty Empty	0
PFchs	Summer15_50nsV4M1_MC_Uncertainty_AK4PFchs.txt Empty	Summer15_50nsV4M1_DATA_Uncertainty_AK4PFchs.txt Empty	2
PFPuppi	Empty Empty	Empty Empty	0
Calo	Empty Empty	Empty Empty	0

Total Uncertainty: 2 payloads.

Uncertainty Sources: 2 files to be added to twiki



Payload counting



	MC	DATA	Subtotal
L1	6	6	12
L2	6	6	12
L3	6	6	12
Res	6	6	12
Unc	1	1	2
TOTAL	25	25	50

Total Payloads in SQL file(s): 50 payloads

Plus 2 UncertaintySources file(s) that should go on the twiki page.

Plus 0 L1RC file(s) that should go on the twiki page.