

Details of the 53X SQL file Summer13_V4

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L1 Pile UP PAYLOADS

- MC payloads created by Ziqing. Taken from [Ziqing's page](#) on May 5th, 2013 following his email at 12:01am CST. The correction for CALO was done only using rho (FASTJET)
- DATA payloads created by Ia Iashvili. Email sent on May 14, 2013 at 12:54pm (CST).
- All JPT payloads taken from Fall12_V7 version of JPT (the previous SQL file)

Official Recommendation Payloads:

	MC	DATA	#payloads
PF	parameters_ak5pf.txt	Summer13_V1_DATA_L1FastJet_AK5PF.txt	4
	parameters_ak7pf.txt	Summer13_V1_DATA_L1FastJet_AK7PF.txt	
PFchs	parameters_ak5pfchs.txt	Summer13_V1_DATA_L1FastJet_AK5PFchs.txt	4
	parameters_ak7pfchs.txt	Summer13_V1_DATA_L1FastJet_AK7PFchs.txt	
CALO	parameters_ak5calo.txt	Summer13_V1_DATA_L1FastJet_AK5Calo.txt	4
	parameters_ak7calo.txt	Summer13_V1_DATA_L1FastJet_AK7Calo.txt	
JPT	Summer13_V1_MC_L1FastJet_AK5JPT.txt	Summer13_V1_DATA_L1FastJet_AK5JPT.txt	8
	Summer13_V1_MC_L1FastJet_AK7JPT.txt	Summer13_V1_DATA_L1FastJet_AK7JPT.txt	
	Summer13_V1_MC_L1Offset_AK5JPT.txt	Summer13_V1_DATA_L1Offset_AK5JPT.txt	
	Summer13_V1_MC_L1Offset_AK7JPT.txt	Summer13_V1_DATA_L1Offset_AK7JPT.txt	

Zero Suppression Payloads for JPT:

	MC	DATA	#payloads
JPT	Summer13_V1_MC_L1JPTOffset_AK5JPT.txt	Summer13_V1_DATA_L1JPTOffset_AK5JPT.txt	4
	Summer13_V1_MC_L1JPTOffset_AK7JPT.txt	Summer13_V1_DATA_L1JPTOffset_AK7JPT.txt	

Total L1 : 24 payloads.

L2L3 MC-truth PAYLOADS

Created by Alexx Perloff.

- Generated on May 9th, 2013 at 11:21am (CST) from
hurr:/fdata/hepx/store/user/aperloff/JEC_532/53X-Ziqing/Summer13_V1_txts/txts
- See [Alexx' page](#) for closure and correction plots.
- These were derived on top of the L1's of previous slide, except for JPT, which are from Fall12_V7.
- Set provided by Alexx was expanded by hand as follows.
 - rename files to get rid of endings with "l1" or "l1off" (such as *Calol1off.txt, or *PF11.txt)
 - create DATA txt which are an exact copy of the MC.
 - create copies for L3Absolute from file L3Absolute_template.txt

	MC	DATA	#payloads
PF	Summer13_V1_MC_L2Relative_AK5PF11.txt Summer13_V1_MC_L2Relative_AK7PF11.txt	copy of MC	4
PFchs	Summer13_V1_MC_L2Relative_AK5PFchs11.txt Summer13_V1_MC_L2Relative_AK7PFchs11.txt	copy of PF DATA	4
CALO	Summer13_V1_MC_L2Relative_AK5Calol1.txt Summer13_V1_MC_L2Relative_AK7Calol1.txt	copy of MC	4
JPT	Summer13_V1_MC_L2Relative_AK5JPT11off.txt Summer13_V1_MC_L2Relative_AK7JPT11off.txt	copy of MC	4

Total L2 : 16 payloads.

Total L3 : 16 payloads. All return a correction factor of one.

L2L3Residuals PAYLOADS

- Calo L2L3Residual files were taken the attachment in the email called Summer13_V1_L2L3Residual.zip
 - Files created by Denis, Henning. Sent by email on May 21st, 2013 at 1:02pm (CST) (Subject: RE: New SQL Files)
- PF and PFchs corrections taken from the file Summer13_V1_DATA_L2L3Residual_AK5PF.txt.V4handMadeUpdatedL3
 - File created by Denis, Henning. Sent by email on May 22nd, 2013 at 2:18am (CST) (Subject: AW: New SQL Files)
 - PFchs file is a copy of the PF file.
 - The MC files are a copy of the DATA files
- JPT still comes from the Fall12_V7 SQL file.

	MC	DATA	#payloads
PF	copy of DATA	Summer13_V1_DATA_L2L3Residual_AK5PF.txt.V4handMadeUpdatedL3 AK7 file = copy of AK5	4
PFchs	copy of DATA	Summer13_V1_DATA_L2L3Residual_AK5PF.txt.V4handMadeUpdatedL3 AK7 file = copy of AK5	4
CALO	copy of DATA	Summer13_V1_DATA_L2L3Residual_AK5Calo.txt.FineBinnedResidual AK7 file = copy of AK5	4
JPT	copy of DATA	Summer13_V1_DATA_L2L3Residual_AK5JPT.txt AK7 file = copy of AK5	4

Total L2L3Residuals : 16 payloads.

L5Flavor PAYLOADS

Created by Alexx Perloff

- All L5Flavor files were taken from the Fall12_V7 SQL file.

	MC	DATA	#payloads
PF	Summer13_V1_MC_L5Flavor_AK5PF.txt Summer13_V1_MC_L5Flavor_AK7PF.txt	copy of MC	4
PFchs	Summer13_V1_MC_L5Flavor_AK5PFchs.txt Summer13_V1_MC_L5Flavor_AK7PFchs.txt	copy of MC	4
CALO	Summer13_V1_MC_L5Flavor_AK5Calo.txt Summer13_V1_MC_L5Flavor_AK7Calo.txt	copy of MC	4
JPT	Summer13_V1_MC_L5Flavor_AK5JPT.txt Summer13_V1_MC_L5Flavor_AK7JPT.txt	copy of MC	4

Total L5Flavor : 16 payloads.

Files created by Mikko named Summer13_V4_Uncertainties.tgz in email on July 02nd, 2013 at 8 : 50pm (CST) by Hartmut (Subject : New uncertainty files for rereco)

Missing 4 JPT payloads that were taken from Fall12_V7 SQL file

UncertaintySources files cannot be (yet) uploaded to the DB. Those should be posted in the twiki.

Uncertainty Payloads:

	MC	DATA	#payloads
PF	Summer13_V4_MC_Uncertainty_AK5PF.txt	Summer13_V4_DATA_Uncertainty_AK5PF.txt	4
	Summer13_V4_MC_Uncertainty_AK7PF.txt	Summer13_V4_DATA_Uncertainty_AK7PF.txt	
PFchs	Summer13_V4_MC_Uncertainty_AK5PFchs.txt	Summer13_V4_DATA_Uncertainty_AK5PFchs.txt	4
	Summer13_V4_MC_Uncertainty_AK7PFchs.txt	Summer13_V4_DATA_Uncertainty_AK7PFchs.txt	
CALO	Summer13_V4_MC_Uncertainty_AK5Calo.txt	Summer13_V4_DATA_Uncertainty_AK5Calo.txt	4
	Summer13_V4_MC_Uncertainty_AK7Calo.txt	Summer13_V4_DATA_Uncertainty_AK7Calo.txt	
JPT	Summer13_V4_MC_Uncertainty_AK5JPT.txt	Summer13_V4_DATA_Uncertainty_AK5JPT.txt	4
	Summer13_V4_MC_Uncertainty_AK7JPT.txt	Summer13_V4_DATA_Uncertainty_AK7JPT.txt	

Uncertainty Source Payloads:

	MC	DATA	#payloads
PF		Summer13_V4_DATA_UncertaintySources_AK5PF.txt	2
		Summer13_V4_DATA_UncertaintySources_AK7PF.txt	
PFchs		Summer13_V4_DATA_UncertaintySources_AK5PFchs.txt	2
		Summer13_V4_DATA_UncertaintySources_AK7PFchs.txt	

Total Uncertainty : 16 payloads.

Uncertainty Sources : 4 files to be added to twiki

Payload counting

	MC	DATA	Subtotal
L1	12	12	24
L2	8	8	16
L3	8	8	16
L5	8	8	16
Res	8	8	16
Unc	8	8	16
TOTAL	52	52	104

Total Payloads in SQL file : 104 payloads.

Plus 4 UncertaintySources that should go on the twiki page.