

## Details of the 53X SQL file Winter14\_V5

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# L1 Pile Up Payloads

- MC payloads created by Alexx & Andrea. PFchs derived on May 30th, 2014 by Alexx and PF derived on June 3rd, 2014 by Andrea. The correction for Calo was done only using rho (FASTJET) and derived by Andrea on March 6th, 2014.
- The AK5 and AK7 PF and PFchs MC corrections were taken from the Winter14\_V1 corrections derived on March 6th, 2014 as well due to increased statistics.
- All L1 DATA payloads are from an email sent by Mikko on September 12, 2014 at 7:52am (CST) with the subject "Fwd: L1FastJet problems."

## Official Recommendation Payloads:

	MC	DATA	#payloads
PF	Winter14_V1_MC_L1FastJet_AK5PF.txt Winter14_V1_MC_L1FastJet_AK7PF.txt	Winter14_V5_DATA_L1FastJet_AK5PF.txt Winter14_V5_DATA_L1FastJet_AK7PF.txt	4
PFchs	Winter14_V1_MC_L1FastJet_AK5PFchs.txt Winter14_V1_MC_L1FastJet_AK7PFchs.txt	Winter14_V5_DATA_L1FastJet_AK5PFchs.txt Winter14_V5_DATA_L1FastJet_AK7PFchs.txt	4
Calo	Winter14_V1_MC_L1FastJet_AK5Calo.txt Winter14_V1_MC_L1FastJet_AK7Calo.txt	Winter14_V5_DATA_L1FastJet_AK5Calo.txt Winter14_V5_DATA_L1FastJet_AK7Calo.txt	4

Total L1 : 12 payloads.

# L2L3 MC-truth Payloads

- PFchs derived on May 30th, 2014 by Alexx and PF derived on June 3rd, 2014 by Andrea. The correction for Calo was derived by Andrea on March 6th, 2014.
- The AK5 and AK7 PF and PFchs MC corrections were taken from the Winter14\_V1 corrections derived on March 6th, 2014 as well due to increased statistics.
- See [Alexx' page](#) for closure and correction plots.
- These were derived on top of the L1's of previous slide.
- 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 \*PFl1.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	CSA14_V1_MC_L2Relative_AK5PF.txt Winter14_V1_MC_L2Relative_AK7PF.txt	copy of MC copy of MC	4
PFchs	CSA14_V1_MC_L1FastJet_AK5PFchs.txt Winter14_V1_MC_L2Relative_AK7PFchs.txt	copy of MC copy of MC	4
Calo	Winter14_V1_MC_L2Relative_AK5Calo.txt Winter14_V1_MC_L2Relative_AK7Calo.txt	copy of MC copy of MC	4

Total L2 : 12 payloads.

Total L3 : 12 payloads. All return a correction factor of one.

# L2L3Residuals Payloads

- Calo L2L3Residual files were taken the attachment in the email called Summer13\_V4
- The residual files were provided by Dennis Rathjens in an email on August 28, 2014 at 16:42:54 GMT+3 with subject "Re: winter14 correction update."
  - AK7PFchs is a copy of AK7PF.

	MC	DATA	#payloads
PF	copy of DATA copy of DATA	Winter14_V5_DATA.L2L3Residual_AK5PF.txt Winter14_V5_DATA.L2L3Residual_AK7PF.txt	4
PFchs	copy of DATA copy of DATA	Winter14_V5_DATA.L2L3Residual_AK5PFchs.txt copy of AK7PF	4
Calo	copy of DATA copy of DATA	Summer13_V4_DATA.L2L3Residual_AK5Calo.txt Summer13_V4_DATA.L2L3Residual_AK7Calo.txt	4

Total L2L3Residuals : 12 payloads.

# Uncertainties Payloads

- All uncertainties, including the uncertainty sources, were provided by Mikko in an email on September 26, 2014 at 5:40 PM CST with subject "Uncertainties for Winter14\_V5 - ready for GT?"
  - Contained the tar file uncert\_Winter14\_V5.tar.gz with the original era being Winter14\_V8M\_MC and Winter14\_V8M\_DATA

## Uncertainty Payloads:

	MC	DATA	#payloads
PF	Winter14_V8M_MC_Uncertainty_AK5PF.txt	Winter14_V8M_DATA_Uncertainty_AK5PF.txt	4
	Winter14_V8M_MC_Uncertainty_AK7PF.txt	Winter14_V8M_DATA_Uncertainty_AK7PF.txt	
PFchs	Winter14_V8M_MC_Uncertainty_AK5PFchs.txt	Winter14_V8M_DATA_Uncertainty_AK5PFchs.txt	4
	Winter14_V8M_MC_Uncertainty_AK7PFchs.txt	Winter14_V8M_DATA_Uncertainty_AK7PFchs.txt	
Calo	Winter14_V8M_MC_Uncertainty_AK5Calo.txt	Winter14_V8M_DATA_Uncertainty_AK5Calo.txt	4
	Winter14_V8M_MC_Uncertainty_AK7Calo.txt	Winter14_V8M_DATA_Uncertainty_AK7Calo.txt	

Total Uncertainty : 12 payloads.

Uncertainty Sources : 4 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	6	6	12
TOTAL	30	30	60

Total Payloads in SQL file : 60 payloads  
Plus 4 UncertaintySources that should go on the twiki page.