

Details of the 53X SQL file Winter14_V4

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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.
- AK5 and AK7 DATA payloads were taken from [Alexx's webpage](#) on July 31, 2014 at 10:55am (CST). The rest are copies of the MC payloads.

Official Recommendation Payloads:

	MC	DATA	#payloads
PF	Winter14_V1_MC_L1FastJet_AK5PF.txt Winter14_V1_MC_L1FastJet_AK7PF.txt	Winter14_V1_DATA_L1FastJet_AK5PF.txt Winter14_V1_DATA_L1FastJet_AK7PF.txt	4
PFchs	Winter14_V1_MC_L1FastJet_AK5PFchs.txt Winter14_V1_MC_L1FastJet_AK7PFchs.txt	Winter14_V1_DATA_L1FastJet_AK5PFchs.txt Winter14_V1_DATA_L1FastJet_AK7PFchs.txt	4
Calo	Winter14_V1_MC_L1FastJet_AK5Calo.txt Winter14_V1_MC_L1FastJet_AK7Calo.txt	Winter14_V1_DATA_L1FastJet_AK5Calo.txt Winter14_V1_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 a follows.
 - rename files to get rid of endings with "l1" or "l1off" (such as *Calol1off.txt, or *PFI1.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
- AK5PFchs file provided by Mikko at the weekly JERC group meeting on the [Indico page](#)
 - AK5PF, AK7PF, and AK7PFchs are all copies of this same residual file.

	MC	DATA	#payloads
PF	copy of DATA copy of DATA	copy of AK5PFchs copy of AK5PFchs	4
PFchs	copy of DATA copy of DATA	Winter14_V3_DATA.L2L3Residual_AK5PFchs.txt copy of AK5PFchs	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

- AK5PFchs file provided by Mikko at the weekly JERC group meeting on the **Indico page** in file Winter14_Uncertainties_V7.tar.gz
 - V7 renamed to V3 for consistency with the rest of the files.

Uncertainty Payloads:

	MC	DATA	#payloads
PF	Winter14_V7_MC_Uncertainty_AK5PF.txt Winter14_V7_MC_Uncertainty_AK7PF.txt	Winter14_V7_DATA_Uncertainty_AK5PF.txt Winter14_V7_DATA_Uncertainty_AK7PF.txt	4
PFchs	Winter14_V7_MC_Uncertainty_AK5PFchs.txt Winter14_V7_MC_Uncertainty_AK7PFchs.txt	Winter14_V7_DATA_Uncertainty_AK5PFchs.txt Winter14_V7_DATA_Uncertainty_AK7PFchs.txt	4
Calo	Summer13_V4_MC_Uncertainty_AK5Calo.txt Summer13_V4_MC_Uncertainty_AK7Calo.txt	Summer13_V4_DATA_Uncertainty_AK5Calo.txt Summer13_V4_DATA_Uncertainty_AK7Calo.txt	4

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.