Details of the 53X SQL file CSA14_V2

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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 Summer13_V4 on June 10, 2014 at 1:28pm (CST). The rest are copies of the MC payloads.

Official Recommendation Payloads:

	MC	DATA	#payloads
PF	CSA14_V1_MC_L1FastJet_AK1PF.txt	copy of MC	20
	CSA14_V1_MC_L1FastJet_AK2PF.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK3PF.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK4PF.txt	copy of MC	
	Winter14_V1_MC_L1FastJet_AK5PF.txt	Winter14_V1_DATA_L1FastJet_AK5PF.txt	
	CSA14_V1_MC_L1FastJet_AK6PF.txt	copy of MC	
	Winter14_V1_MC_L1FastJet_AK7PF.txt	Winter14_V1_DATA_L1FastJet_AK7PF.txt	
	CSA14_V1_MC_L1FastJet_AK8PF.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK9PF.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK10PF.txt	copy of MC	
PFchs	CSA14_V1_MC_L1FastJet_AK1PFchs.txt	copy of MC	20
	CSA14_V1_MC_L1FastJet_AK2PFchs.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK3PFchs.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK4PFchs.txt	copy of MC	
	Winter14_V1_MC_L1FastJet_AK5PFchs.txt	Winter14_V1_DATA_L1FastJet_AK5PFchs.txt	
	CSA14_V1_MC_L1FastJet_AK6PFchs.txt	copy of MC	
	Winter14_V1_MC_L1FastJet_AK7PFchs.txt	Winter14_V1_DATA_L1FastJet_AK7PFchs.txt	
	CSA14_V1_MC_L1FastJet_AK8PFchs.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK9PFchs.txt	copy of MC	
	CSA14_V1_MC_L1FastJet_AK10PFchs.txt	copy of MC	
Calo	Winter14_V1_MC_L1FastJet_AK5Calo.txt	Summer13_V4_DATA_L1FastJet_AK5Calo.txt	4
	Winter14_V1_MC_L1FastJet_AK7Calo.txt	Summer13_V4_DATA_L1FastJet_AK7Calo.txt	

Total L1 : 44 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 *Calo1off.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_AK1PF.txt	copy of MC	20
	CSA14_V1_MC_L2Relative_AK2PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK3PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK4PF.txt	copy of MC	
	Winter14_V1_MC_L2Relative_AK5PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK6PF.txt	copy of MC	
	Winter14_V1_MC_L2Relative_AK7PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK8PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK9PF.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK10PF.txt	copy of MC	
PFchs	CSA14_V1_MC_L1FastJet_AK1PFchs.txt	copy of MC	20
	CSA14_V1_MC_L2Relative_AK2PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK3PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK4PFchs.txt	copy of MC	
	Winter14_V1_MC_L2Relative_AK5PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK6PFchs.txt	copy of MC	
	Winter14_V1_MC_L2Relative_AK7PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK8PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK9PFchs.txt	copy of MC	
	CSA14_V1_MC_L2Relative_AK10PFchs.txt	copy of MC	
Calo	Winter14_V1_MC_L2Relative_AK5Calo.txt	copy of MC	4
	Winter14_V1_MC_L2Relative_AK7Calo.txt	copy of MC	

Total L2 : 44 payloads.

Total L3 : 44 payloads. All return a correction factor of one.

L2L3Residuals Payloads

- Calo L2L3Residual files were taken the attachment in the email called Summer13_V4
- AK7 PF and PFchs files were also taken the attachment in the email called Summer13_V4
- AK5 PF and PFchs corrections taken from Dennis's website
  - File created by Denis, Henning. Sent by email on June 10th, 2014 at 12:01pm (CST) (Subject: Files for Winter14)

	MC	DATA	#payloads
PF	Empty	Empty	3
	Empty	Empty	
	Empty	Empty	
	Empty	Copy of AK5PF	
	Empty	Winter14_V1_DATA_L2L3Residual_AK5PF.txt	
	Empty	Empty	
	Empty	Copy of AK5PF	
	Empty	Empty	
	Empty	Empty	
	Empty	Empty	
PFchs	Empty	Empty	3
	Empty	Empty	
	Empty	Empty	
	Empty	Copy of AK5PFchs	
	Empty	Winter14_V1_DATA_L2L3Residual_AK5PFchs.txt	
	Empty	Empty	
	Empty	Copy of AK5PFchs	
	Empty	Empty	
	Empty	Empty	
	Empty	Empty	
Calo	Empty	Summer13_V4_DATA_L2L3Residual_AK5Calo.txt	2
	Empty	Summer13_V4_DATA_L2L3Residual_AK7Calo.txt	

Total L2L3Residuals : 8 payloads.

Uncertainties 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)
- Taken from Summer13_V4

Uncertainty Payloads:

	MC	DATA	#payloads
PF	Empty	Empty	3
	Empty	Empty	
	Empty	Empty	
	Empty	Copy of AK5PF	
	Empty	Summer13_V4_DATA_Uncertainty_AK5PF.txt	
	Empty	Empty	
	Empty	Summer13_V4_DATA_Uncertainty_AK7PF.txt	
	Empty	Empty	
	Empty	Empty	
	Empty	Empty	
PFchs	Empty	Empty	3
	Empty	Empty	
	Empty	Empty	
	Empty	Copy of AK5PFchs	
	Empty	Summer13_V4_DATA_Uncertainty_AK5PFchs.txt	
	Empty	Empty	
	Empty	Summer13_V4_DATA_Uncertainty_AK7PFchs.txt	
	Empty	Empty	
	Empty	Empty	
	Empty	Empty	
Calo	Empty	Summer13_V4_DATA_Uncertainty_AK5Calo.txt	2
	Empty	Summer13_V4_DATA_Uncertainty_AK7Calo.txt	

Total Uncertainty : 8 payloads.

Payload counting

	MC	DATA	Subtotal
L1	22	22	44
L2	22	22	44
L3	22	22	44
Res	0	8	8
Unc	0	8	8
TOTAL	66	82	148

Total Payloads in SQL file : 144 payloads