

Details of the 72X SQL file PHYS14_V4

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L1 Pile Up Payloads



- MC payloads created by Alexx and were derived on March 10th, 2015.

Official Recommendation Payloads:

	MC	DATA	#payloads
PF	PHYS14_V4_MC_L1FastJet_AK4PF.txt	Empty	4
	PHYS14_V4_MC_L1FastJet_AK5PF.txt	Empty	
	PHYS14_V4_MC_L1FastJet_AK7PF.txt	Empty	
	PHYS14_V4_MC_L1FastJet_AK8PF.txt	Empty	
PFchs	PHYS14_V4_MC_L1FastJet_AK4PFchs.txt	Empty	4
	PHYS14_V4_MC_L1FastJet_AK5PFchs.txt	Empty	
	PHYS14_V4_MC_L1FastJet_AK7PFchs.txt	Empty	
	PHYS14_V4_MC_L1FastJet_AK8PFchs.txt	Empty	
Calo	Empty	Empty	0
	Empty	Empty	

Total L1 : 8 payloads.



L2L3 MC-truth Payloads



- Derived on March 11th, 2015 by Alexx.
- 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 copies for L3Absolute from file L3Absolute_template.txt
 - Same number and jet collections as L2Relative files
 - All return a correction factor of one
- The L2Relative files (L2L3 corrections) had their range of validity manually altered to have $p_T > 10 \text{ GeV}$. This was done to avoid some unphysical corrections at very low p_T)

	MC	DATA	#payloads
PF	PHYS14.V4.MC.L2Relative_AK4PF.txt PHYS14.V4.MC.L2Relative_AK5PF.txt PHYS14.V4.MC.L2Relative_AK7PF.txt PHYS14.V4.MC.L2Relative_AK8PF.txt	Empty Empty Empty Empty	4
PFchs	PHYS14.V4.MC.L1FastJet_AK4PFchs.txt PHYS14.V4.MC.L2Relative_AK5PFchs.txt PHYS14.V4.MC.L2Relative_AK7PFchs.txt PHYS14.V4.MC.L2Relative_AK8PFchs.txt	Empty Empty Empty Empty	4
Calo	Empty Empty	Empty Empty	0

Total L2 : 8 payloads.

Total L3 : 8 payloads.

- These are not needed as there is no data to apply the residuals to.

	MC	DATA	#payloads
PF	Empty Empty Empty Empty	Empty Empty Empty Empty	0
PFchs	Empty Empty Empty Empty	Empty Empty Empty Empty	0
Calo	Empty Empty	Empty Empty	0

Total L2L3Residuals : 0 payloads.

- No uncertainties were calculated.

Uncertainty Payloads:

	MC	DATA	#payloads
PF	Empty Empty Empty Empty	Empty Empty Empty Empty	0
PFchs	Empty Empty Empty Empty	Empty Empty Empty Empty	0
Calo	Empty Empty	Empty Empty	0

Total Uncertainty : 0 payloads.

Uncertainty Sources : 0 files to be added to twiki



Payload counting



	MC	DATA	Subtotal
L1	8	0	8
L2	8	0	8
L3	8	0	8
Res	0	0	0
Unc	0	0	0
TOTAL	24	0	24

Total Payloads in SQL file : 24 payloads
Plus 0 UncertaintySources that should go on the twiki page.