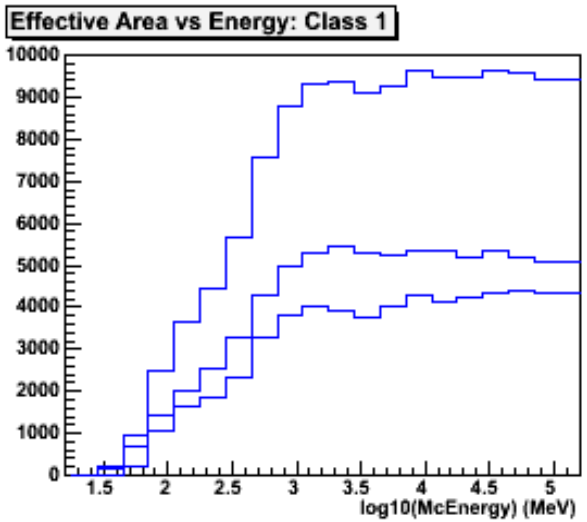
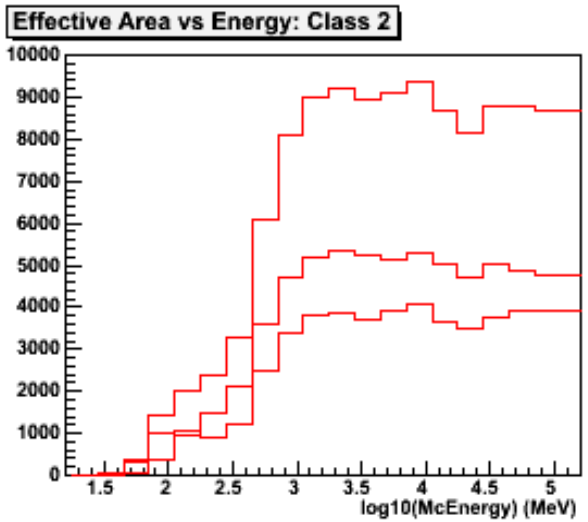
Looking at the data

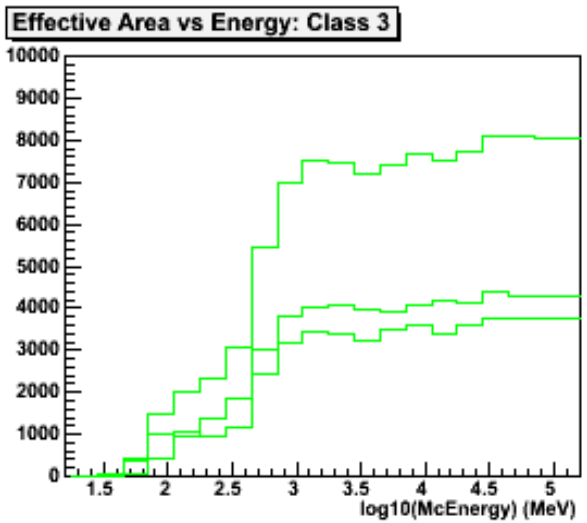
- To select an event class:
  - load the cuts file: .L DC2Cuts.C
  - Then just apply the TCut GoodEvent1, GoodEvent2 or GoodEvent3. e.g. MeritTuple->Draw("CTBBestenergy",Goodevent1)

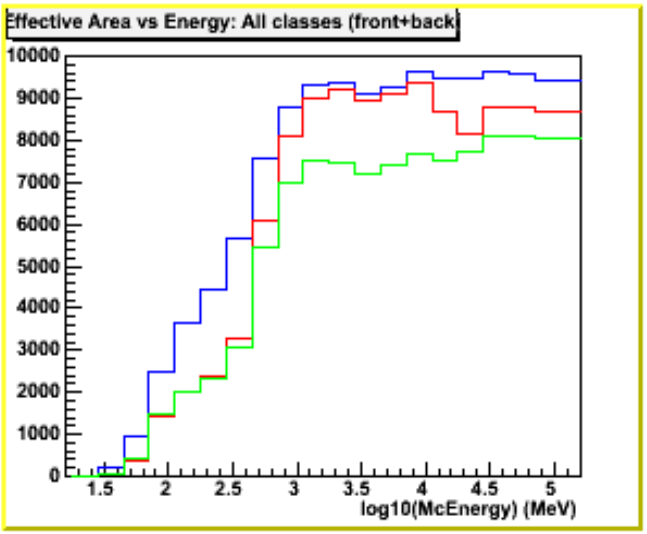
Aeff vs energy Distributions

This is for CTBBestZDir<-0.95 (so not quite zenith)



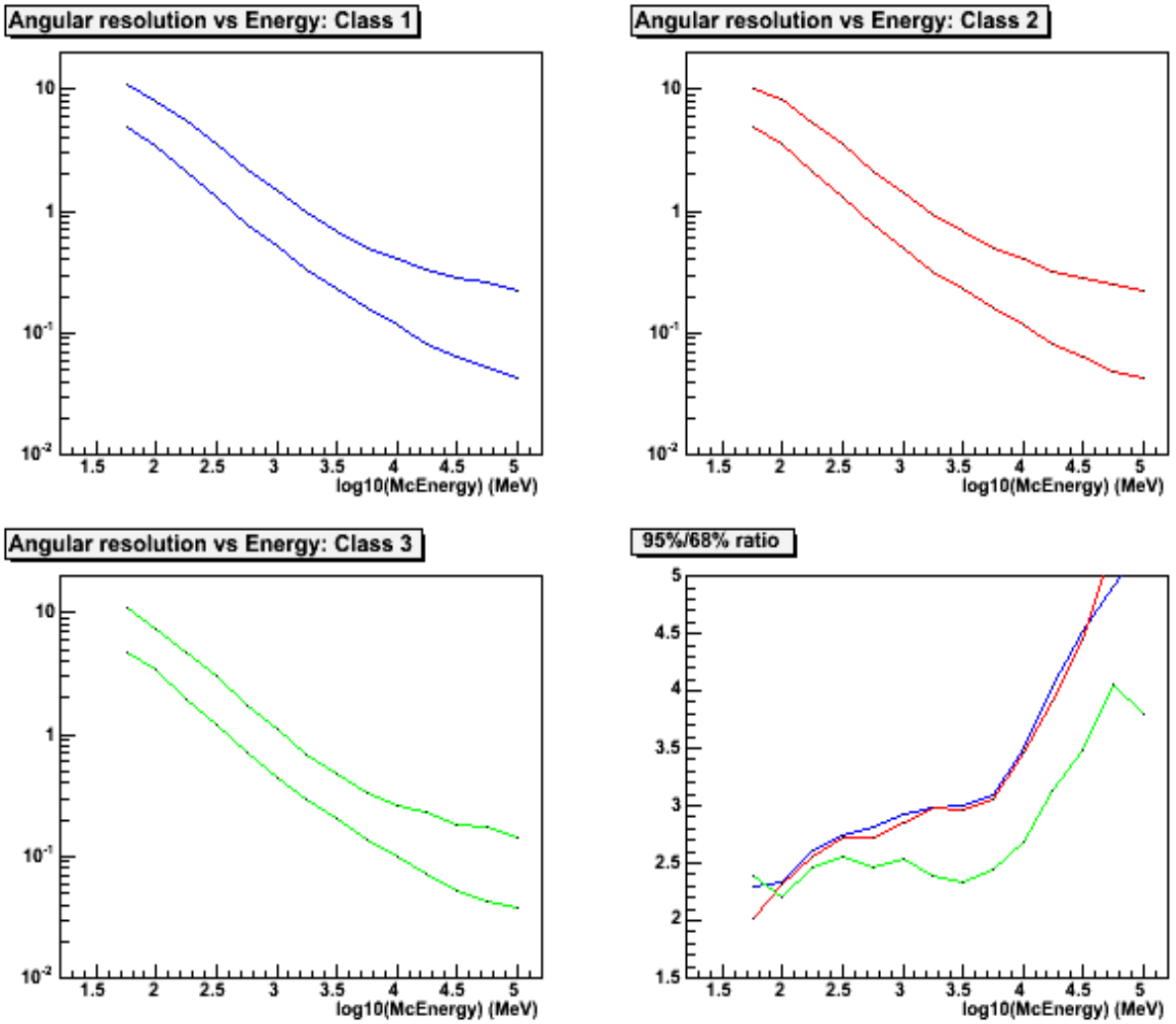






Angular Resolution vs Energy

CTBBestZDir<-0.95



Background DataSets

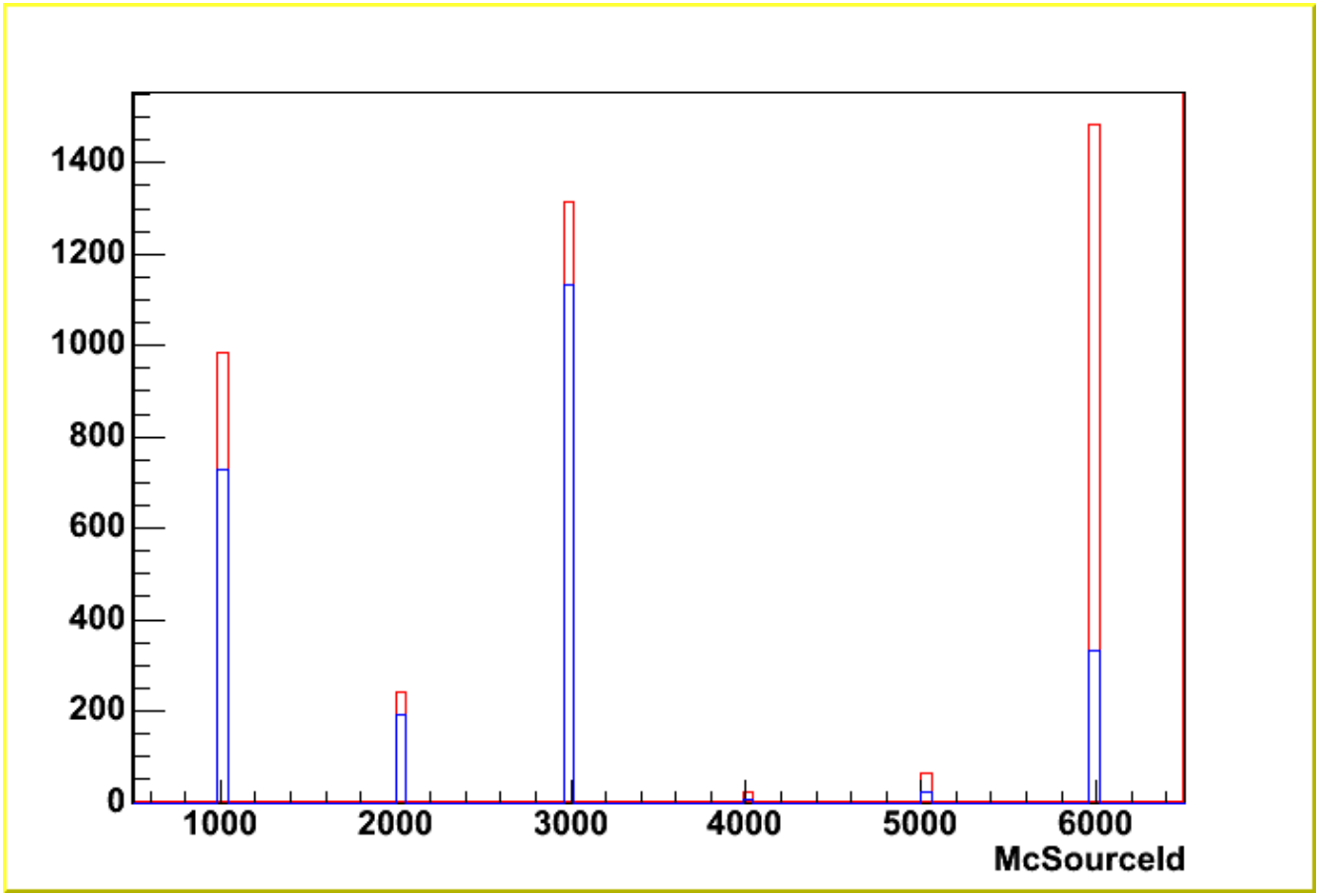
- The first big background dataset was generated with v7r3 in a two step process. It was reprocessed to fix up some tuple variables and add the CTB variables. It covered just under a day (in a sequence of 1 s runs separated on 4 s intervals). There were 17276 live seconds in this dataset.
- The second big background dataset (to be used in the background interleave) was generated in a one step process with v7r3p5. It covered a complete day (in a sequence of 1 s runs separated on 4 s intervals). There were 18675 live seconds in this database.

A big difference between these two runs is that rocking was not correctly enabled in the first background run. This has implications for the residual background events, particularly the albedo gammas. (an additional gotcha is that the McSourceId has been shifted by 1000).

Which Sources Contribute?

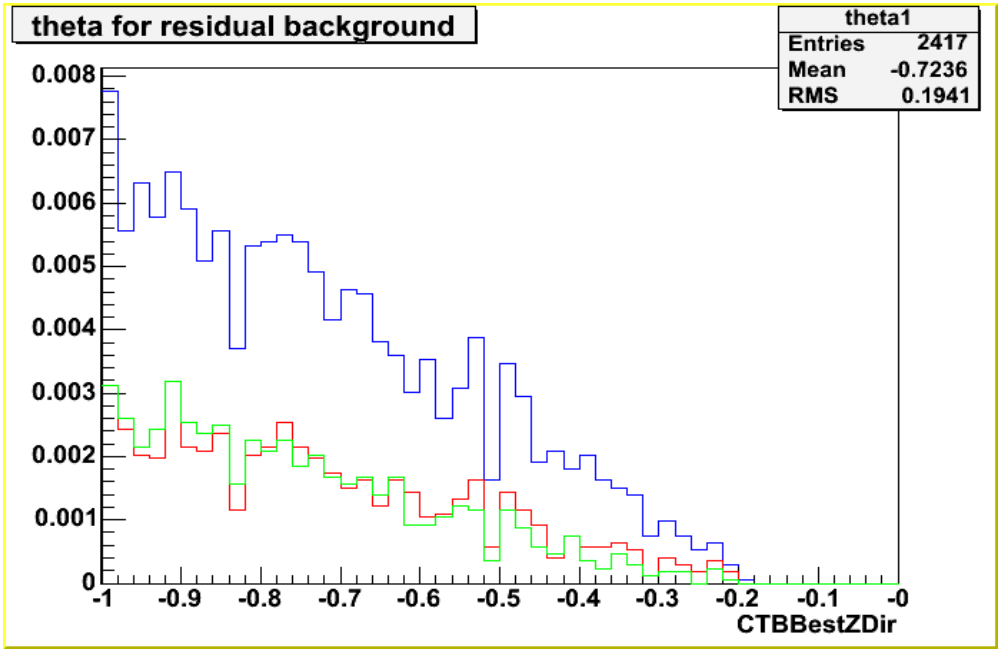
- large increase in the rate of albedo gammas.
- Why have the ions increased by so much?
- There are no additional energy or theta cuts

GoodEvent1 for the old and new background runs.
blue – old
red - new



Zenith Angle Distributions

- old background (No rocking)



New background (with rocking)