

A realistic heavy-ion simulation package is needed to test the algorithms of GCRCalib:

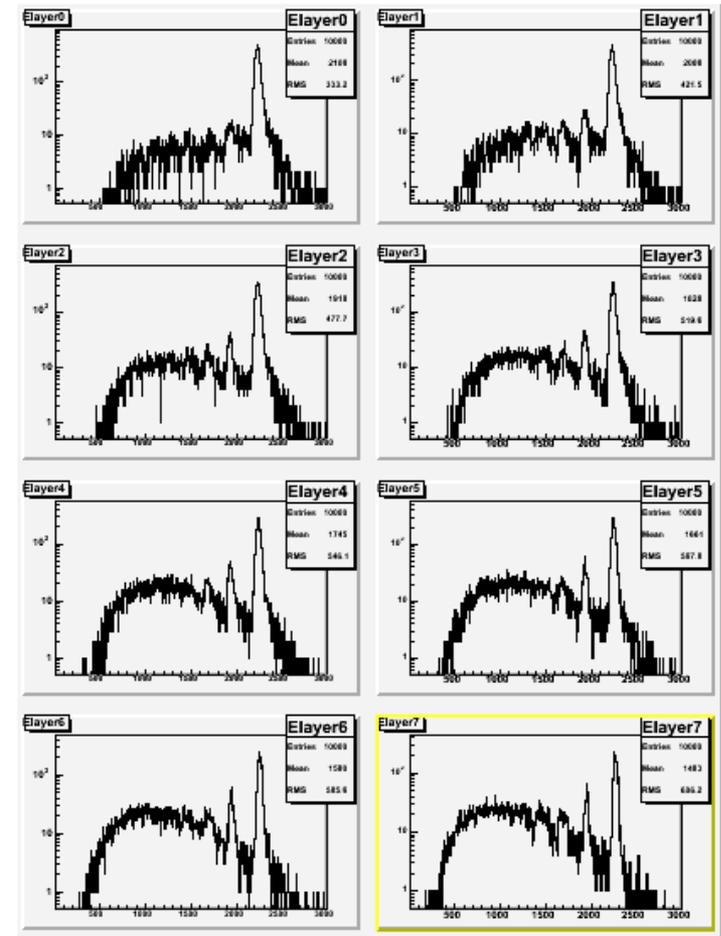
- ion identification
- rejection of nuclear reactions
- extraction of calibration constants

and to estimate the statistics of valid events.

Our EPAX-based model fulfills our needs, but was only tested in GEANT4 standalone simulations. The implementation into GlastRelease requires GEANT4v6 instead of v5.1. Thanks to Tracy and Francesco, a v6.2p01 version has been available since May, but we had recurrent crash problems related to a Hadronic Exception after a few events.

This problem has just been fixed.

We can now proceed with GCRCalib in GR.



2GeV/nucleon Si in
GRv4r6+G4v6.2p01+EPAX