The problem
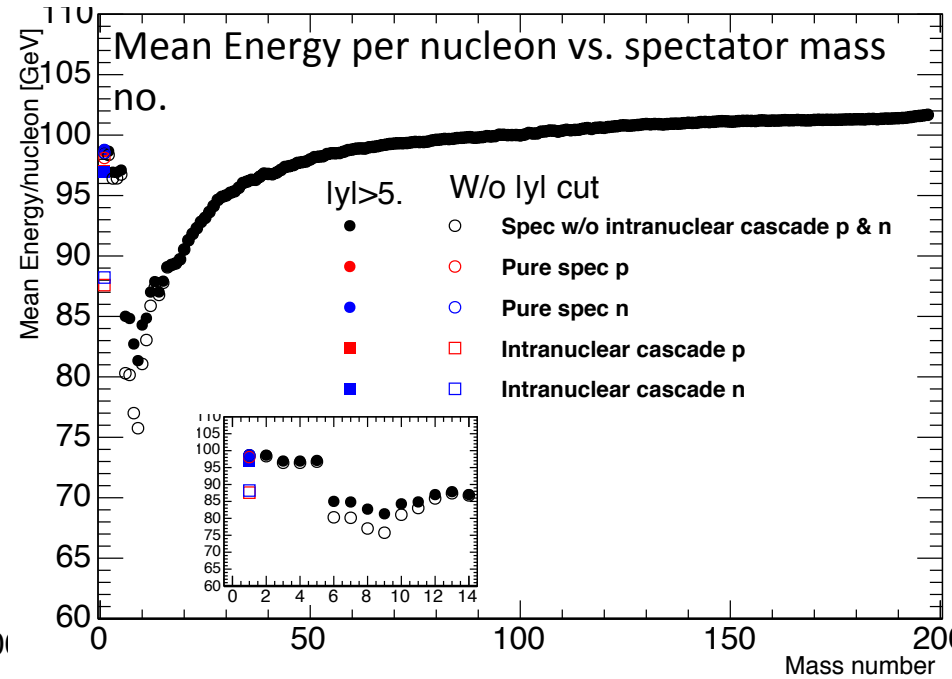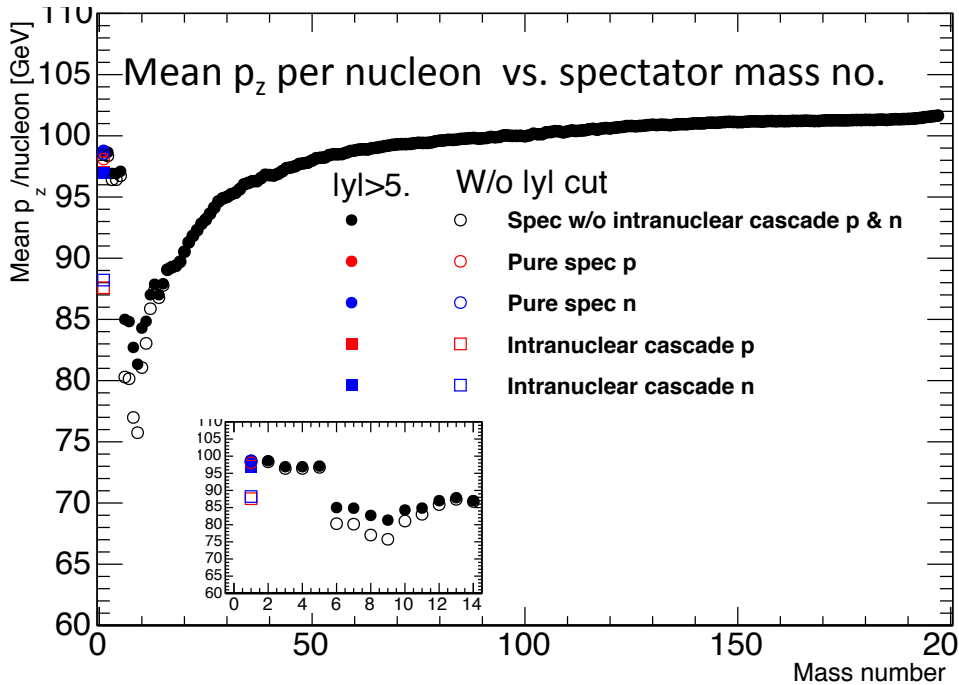

- DPMJet with Fluka incorporated in it, is used to generate Au +Au at √s$_{NN}$=200 GeV
- Non interacting part of Au nuclei is expected to have on average 100 GeV per nucleon, and we see significantly less than that as in the figures above. Inset of the plots are the zoomed–in for 0 < Mass number < 15.

This behavior is strange.
The full momentum of the particle also decreases, it is not a re-direction.
This can be seen with a rapidity(|y|) cut. The question is what causes the energy loss per nucleon for non interacting part of Au nuclei ?