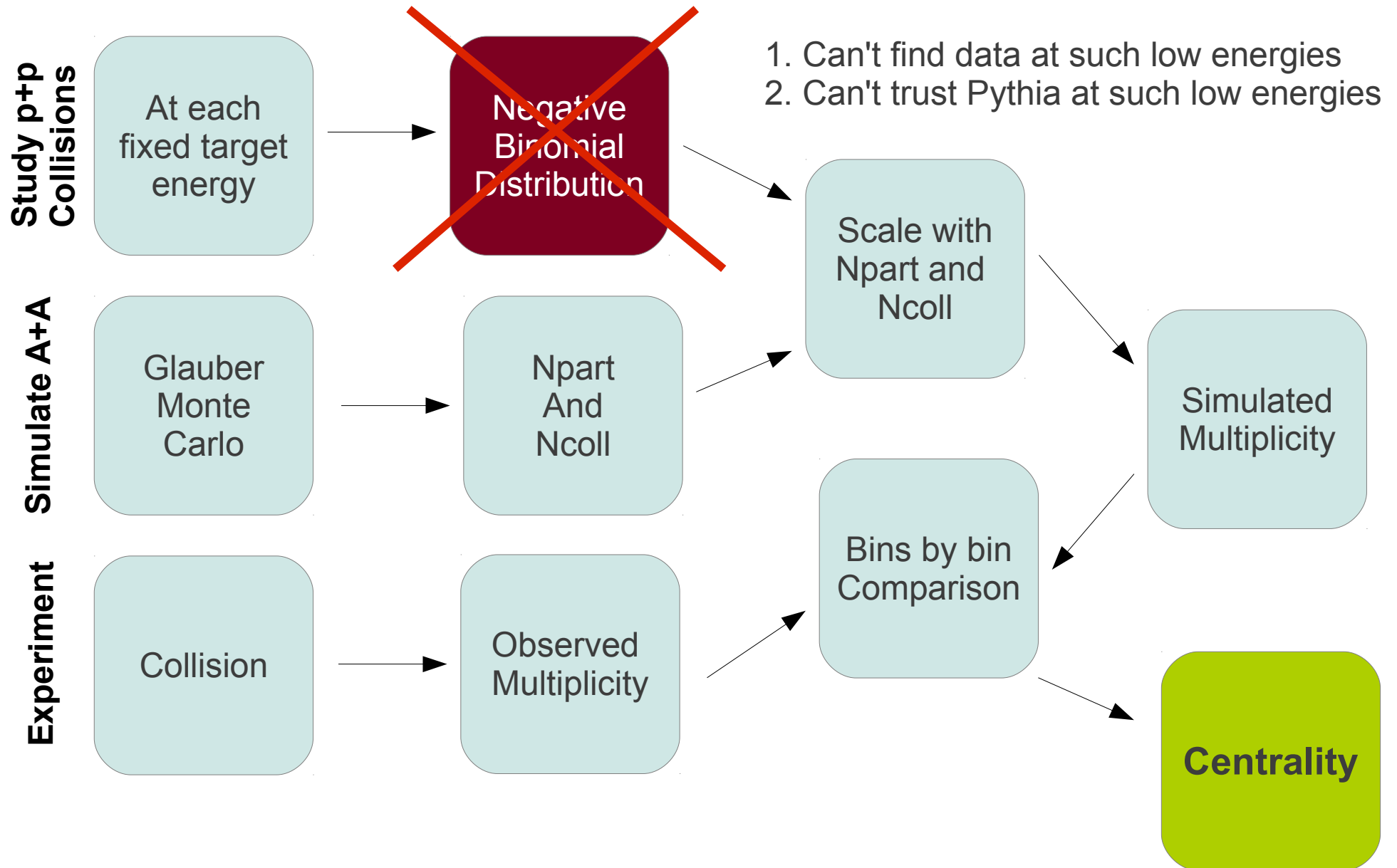
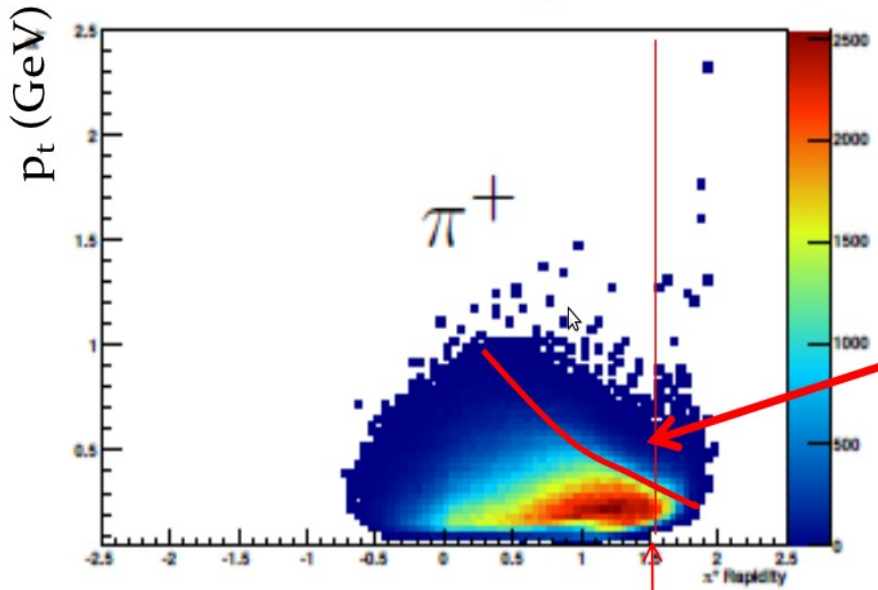
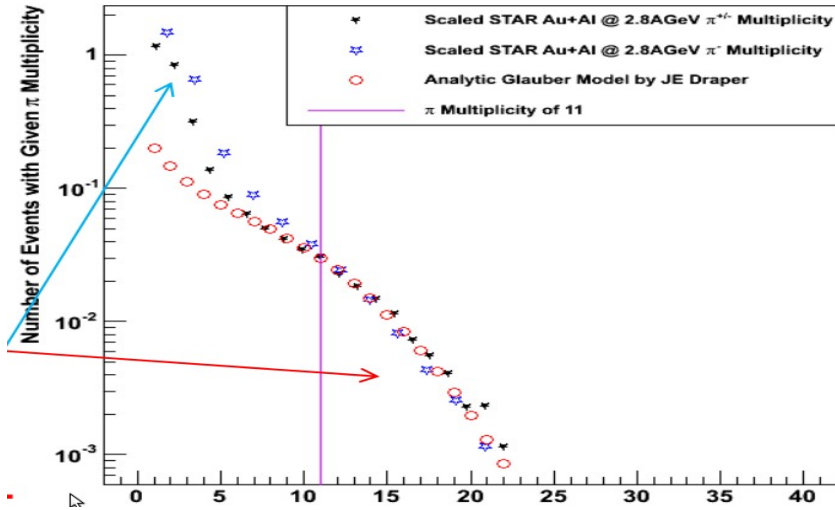


Charged Pion Multiplicity Study for Fixed Target Analysis



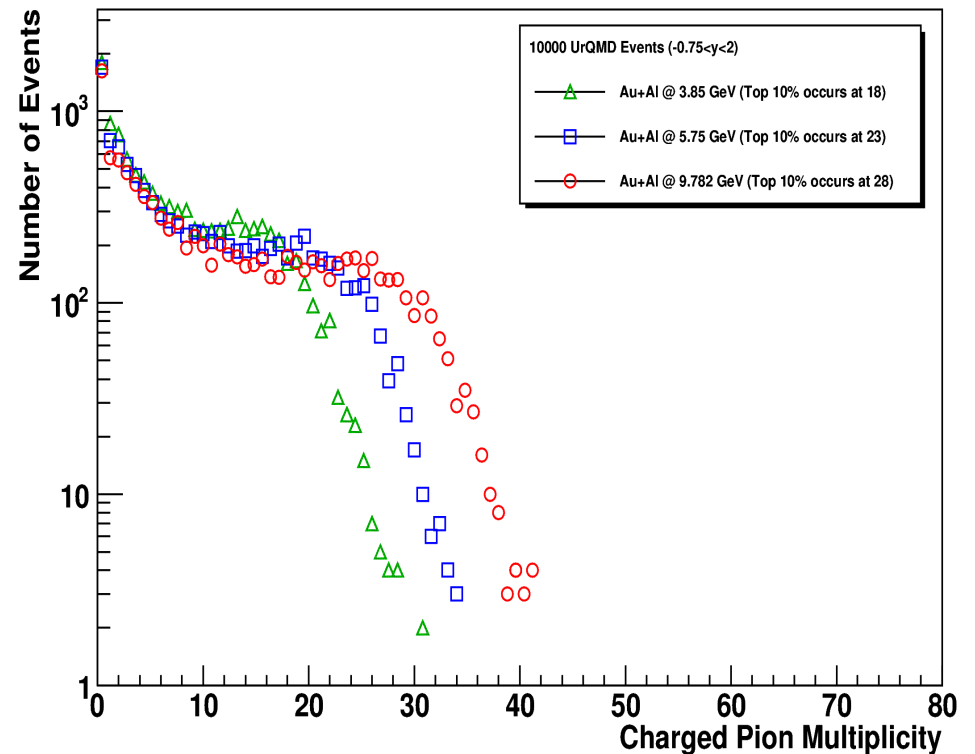
Pion Multiplicities with Rapidity Cut

Data from Sam, Model from Jim



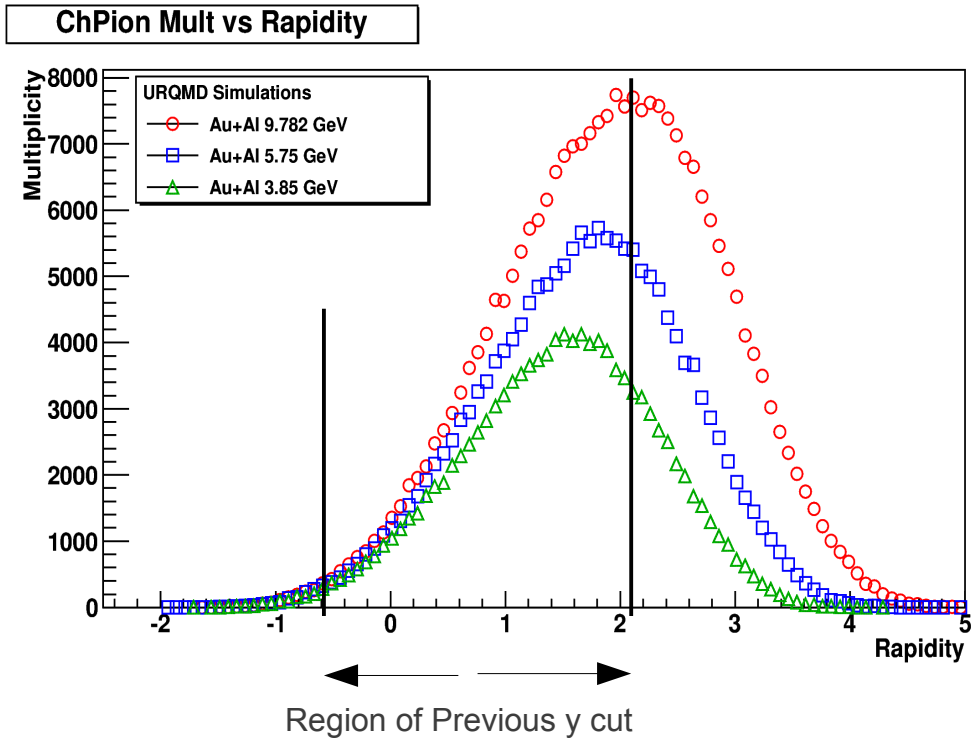
URQMD Simulations

Charged Pion Multiplicity



- Au+Al URQMD events at each energy
- Only Charged Pions within rapidity window of $-0.75 < y < 2$ were counted
- Reduce by 20% to account for detector efficiency

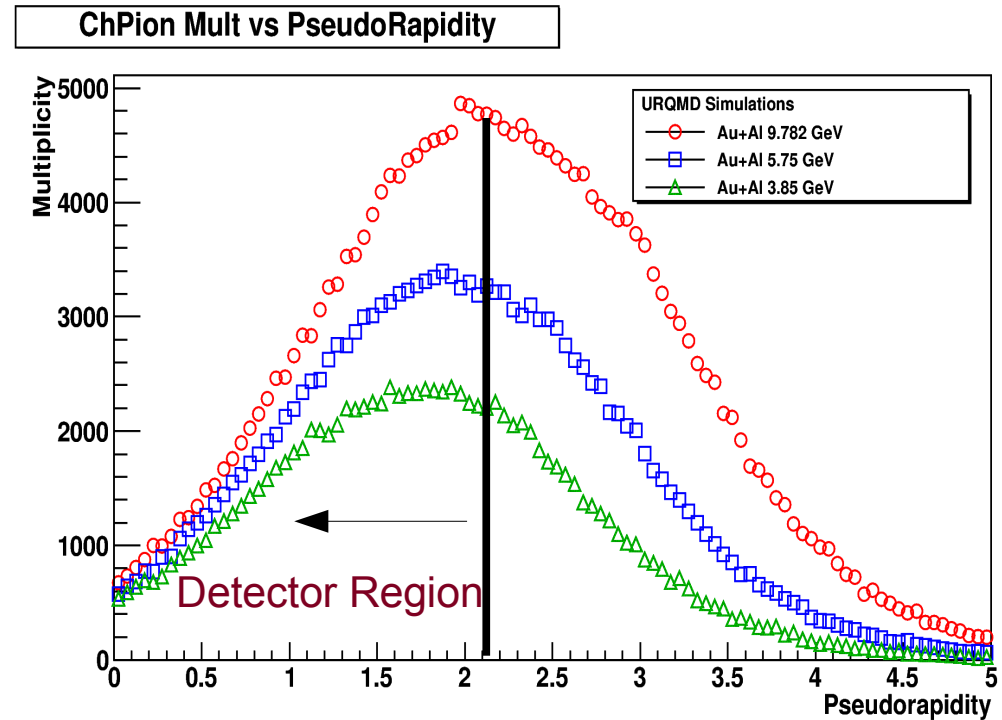
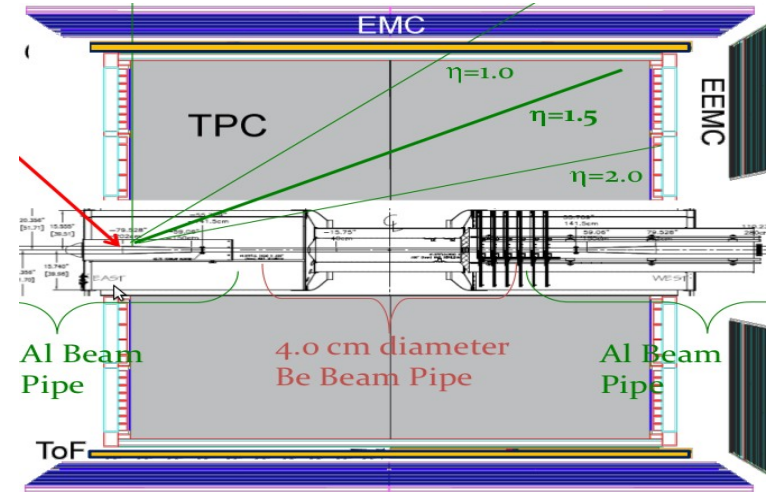
Rapidity and Pseudorapidity Distributions



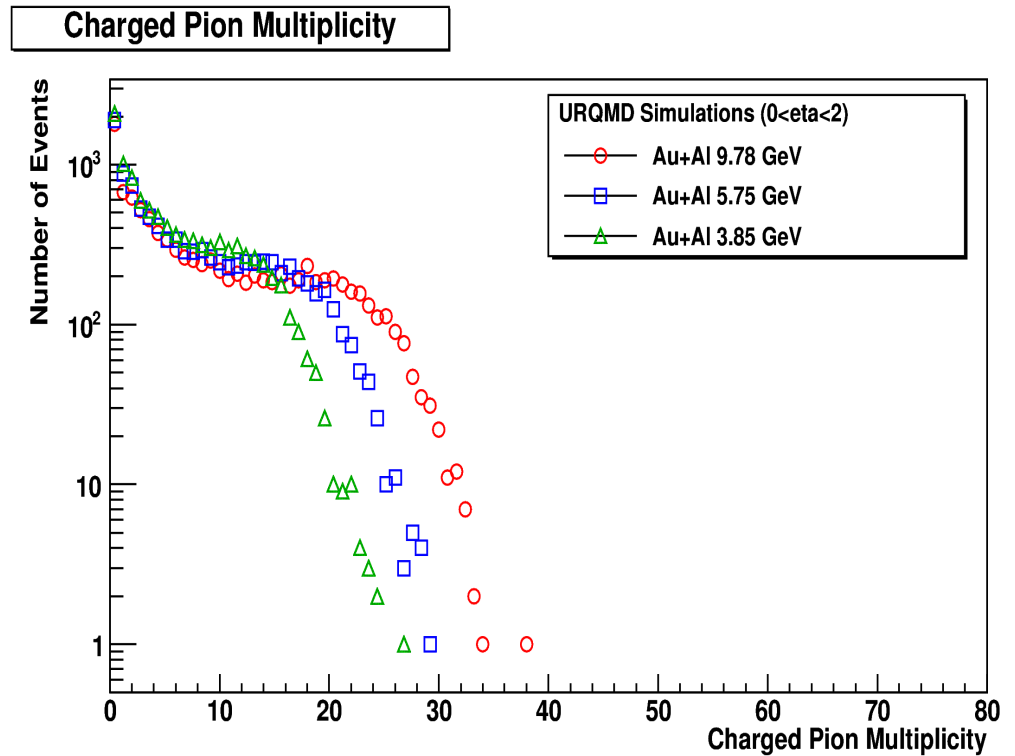
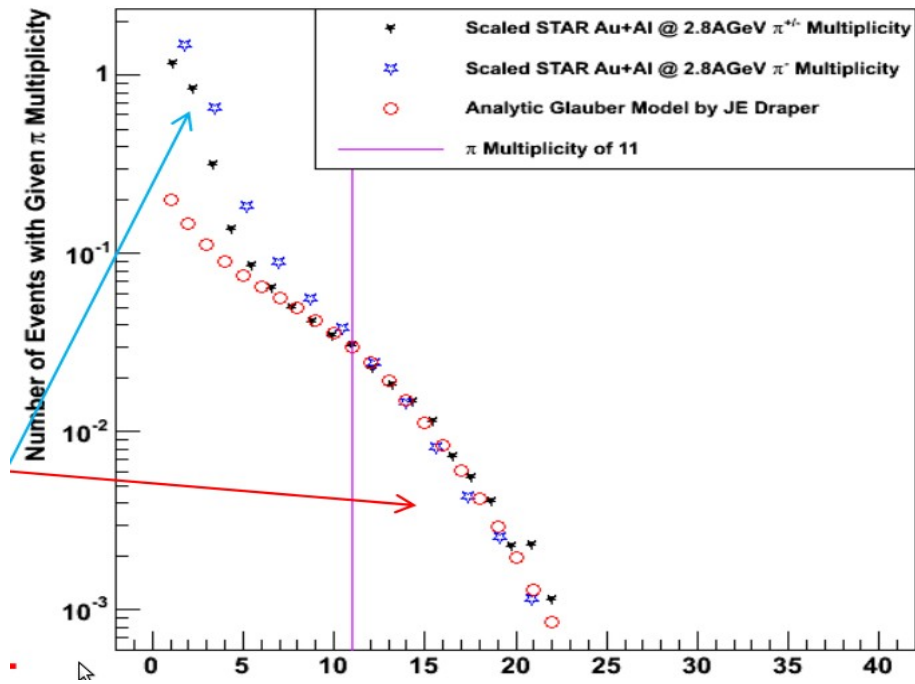
If the Al+Au vertex is **here** the TPC only covers Pseudorapidity region from 0 to about 2.

Okay...so try cutting on Pseudorapidity...

(Where can I find a technical schematic?)



Pion Multiplicity With Eta Cut



Still not matching the data!
....and the Saga continues...