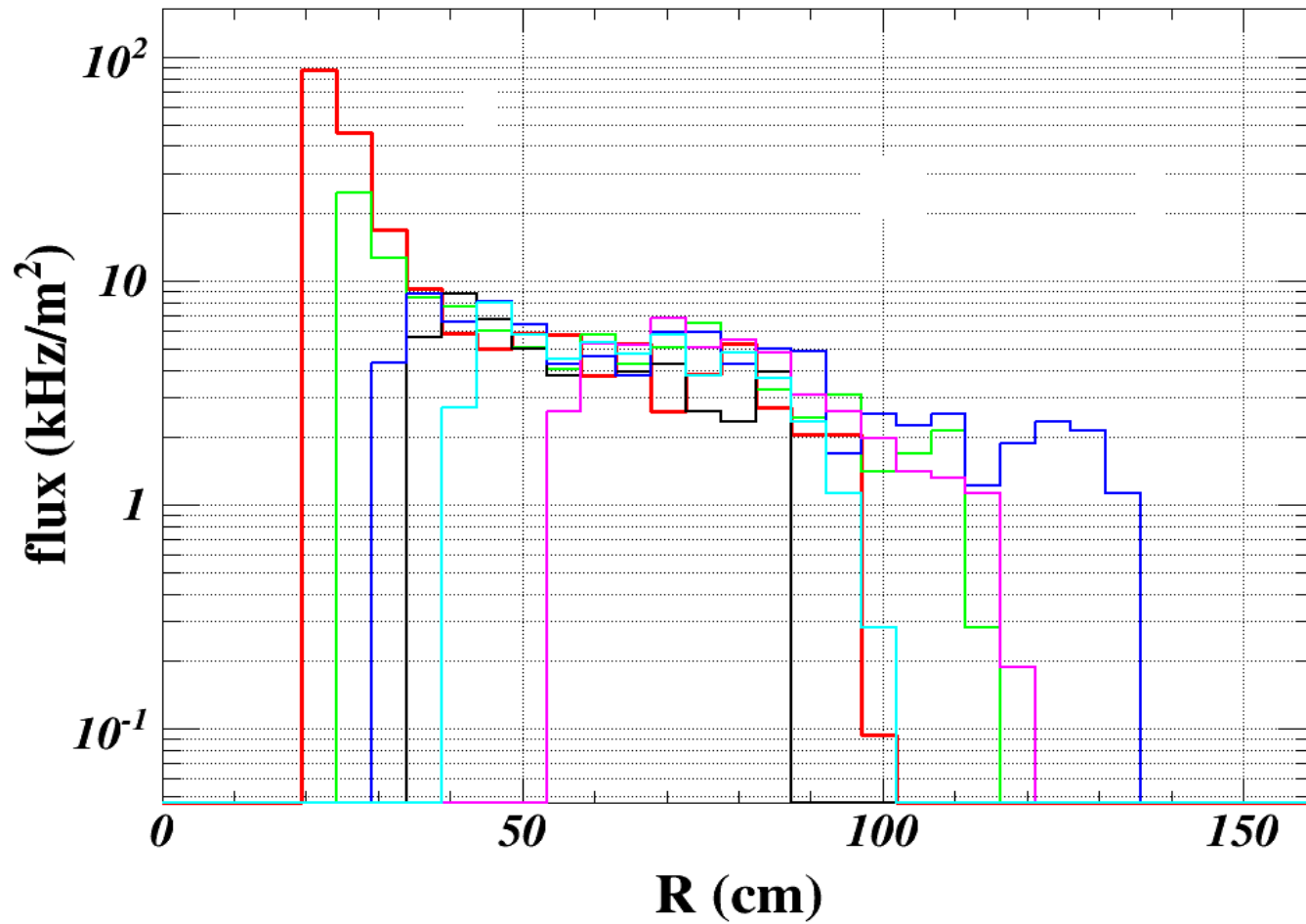


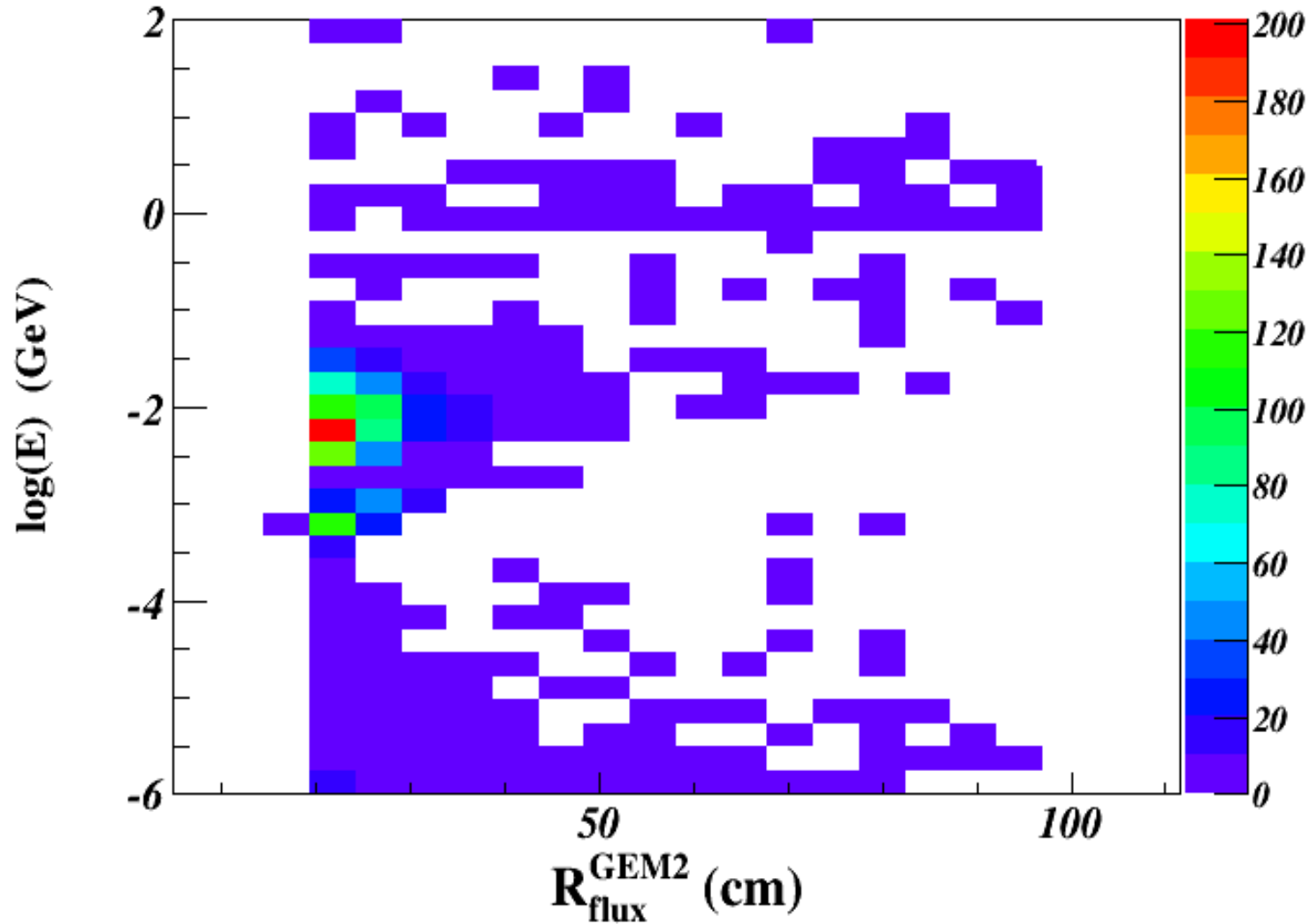
GEM 2 Rate

Zhihong Ye
11/11/2014

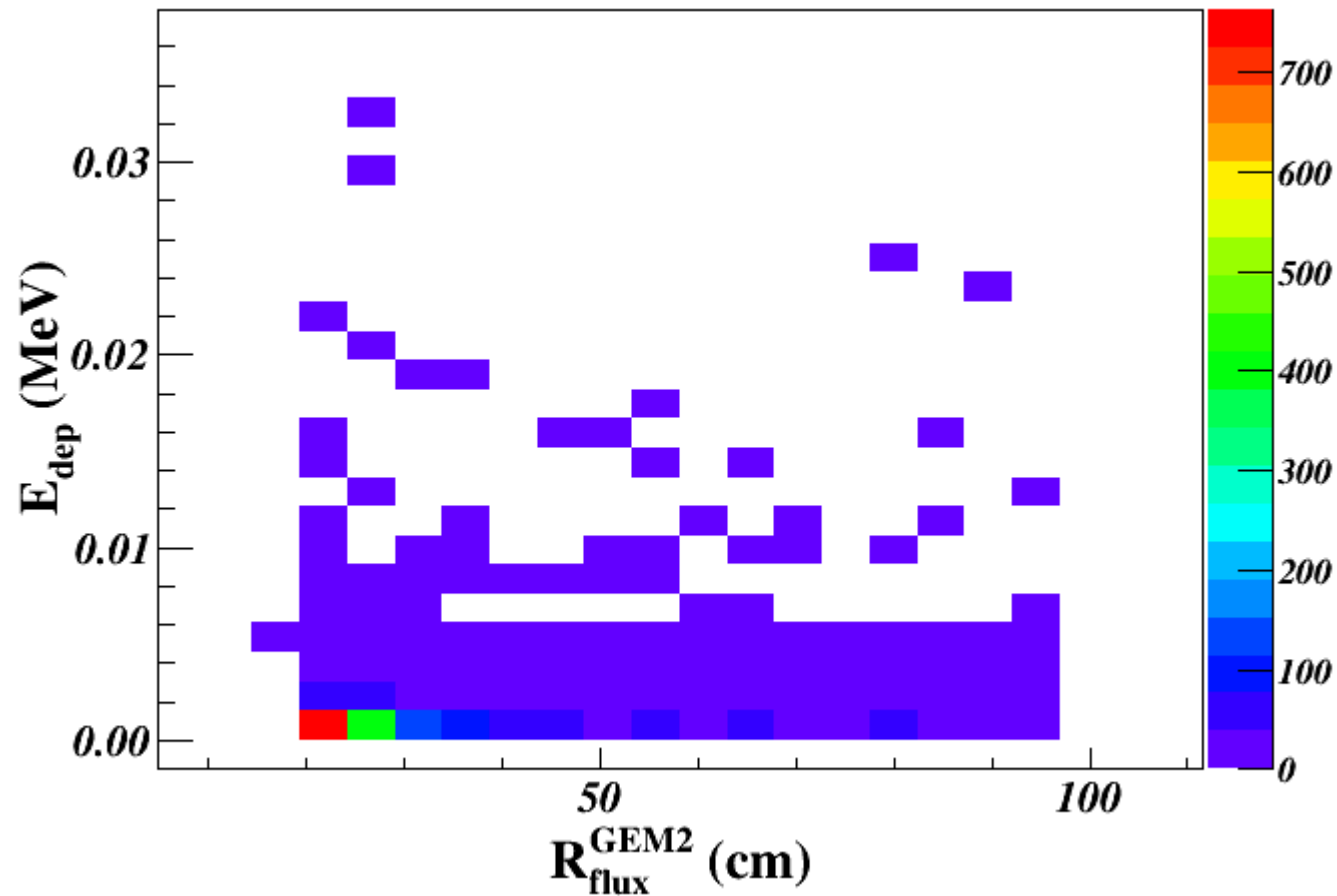
The normalized new rate



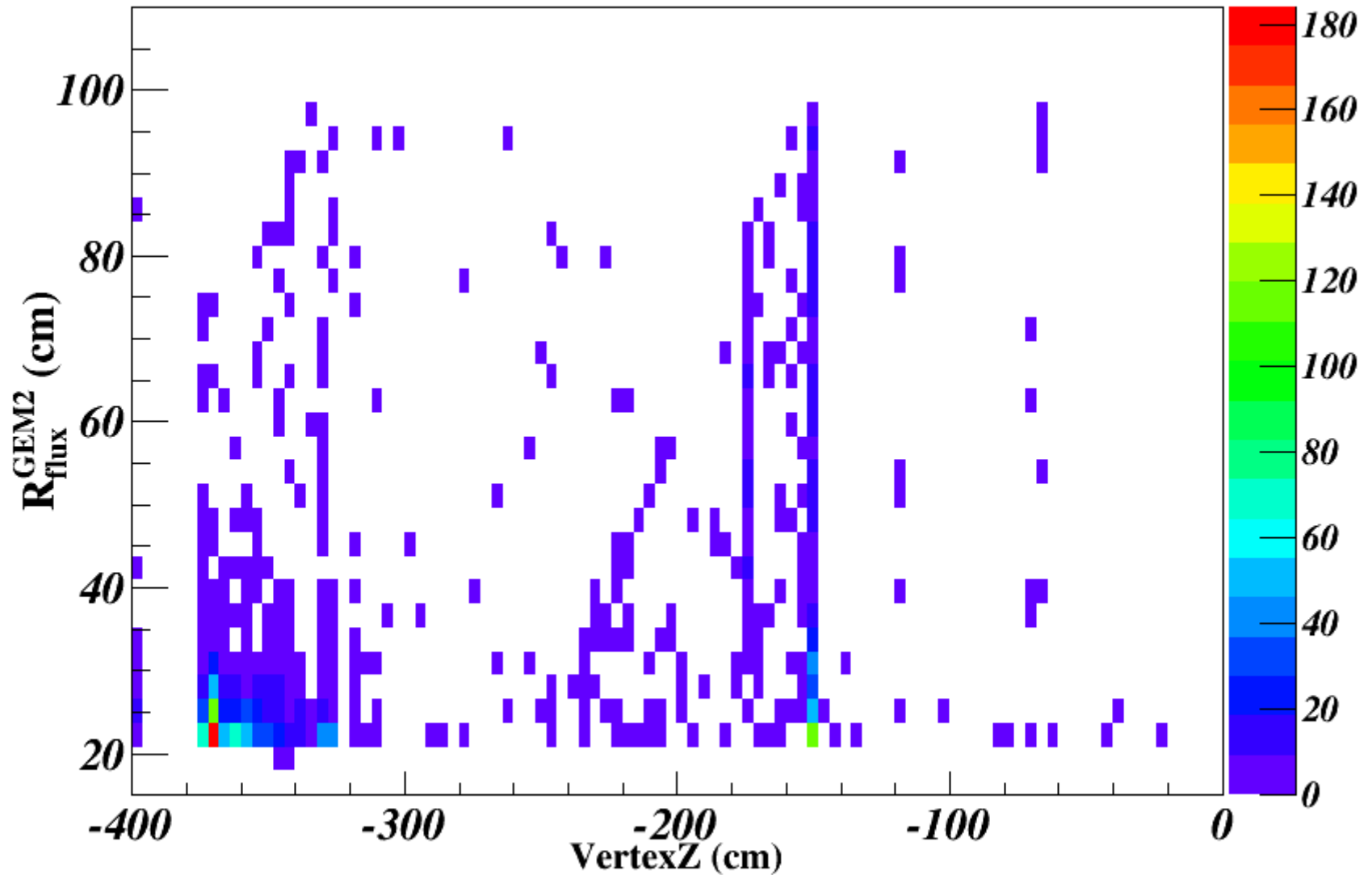
GEM#2 R .vs. Energy



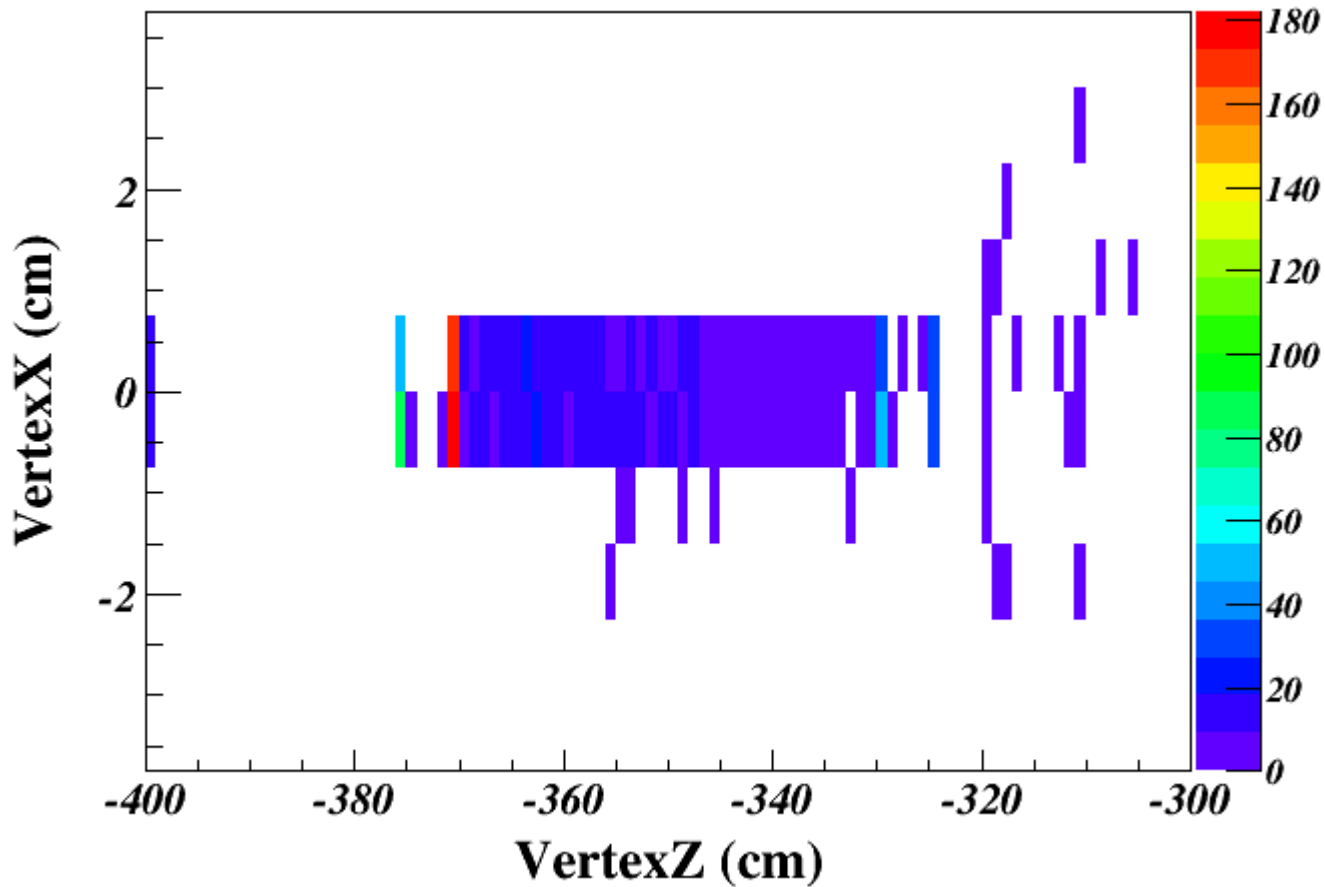
GEM#2 R .vs. Deposited Energy



GEM#2 R .vs. VertexZ



Target VertexX .vs. VertexZ viewed by GEM#2

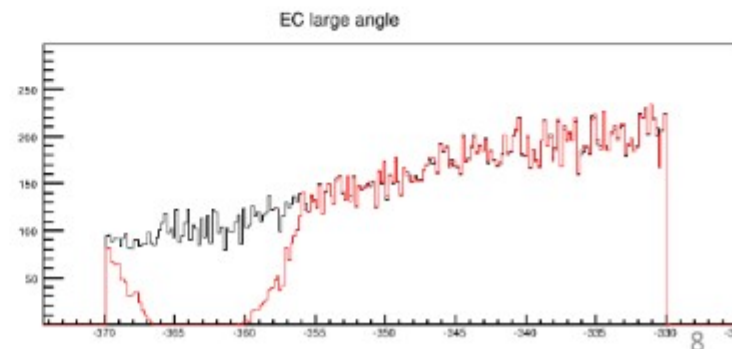
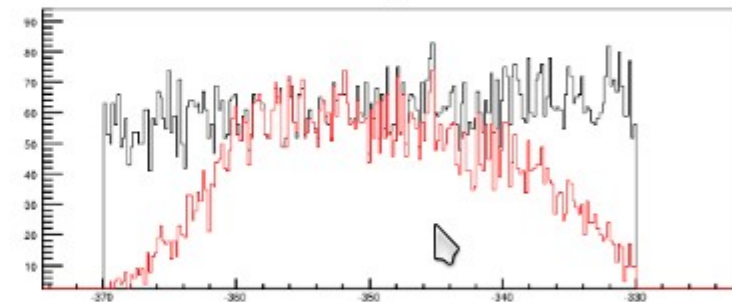
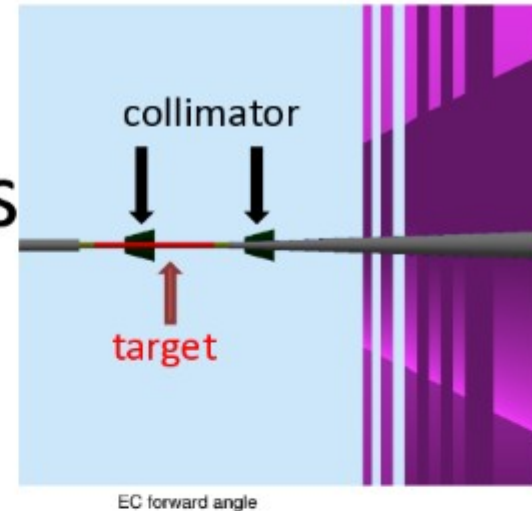


Zhiwen's slide

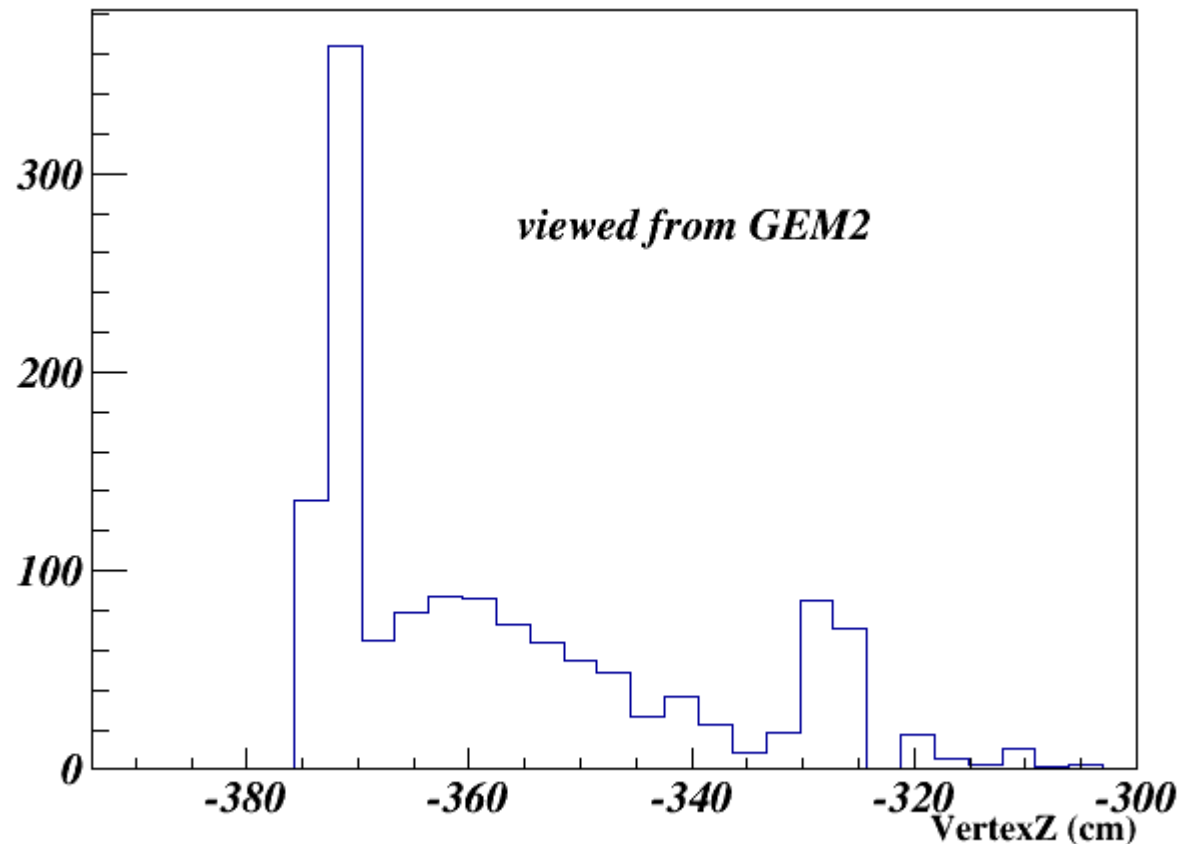
SIDIS ^3He

Target window Collimators

- A pair of Tungsten collimators are optimized to block both low energy EM particles and hadrons from target windows into forward angle detectors
- The accepted particles at forward angle and large angle EC are shown with (**red**) and without (**black**) the collimators



Target VertexZ viewed by GEM#2



My Conclusion?:

The target collimator can not fully suppress events from the upstream window. A lot of low energy particles hit GEM#2 at very small angle and leave tiny deposited energy.

However, we still have to look at the occupancy after certain level of digitization.