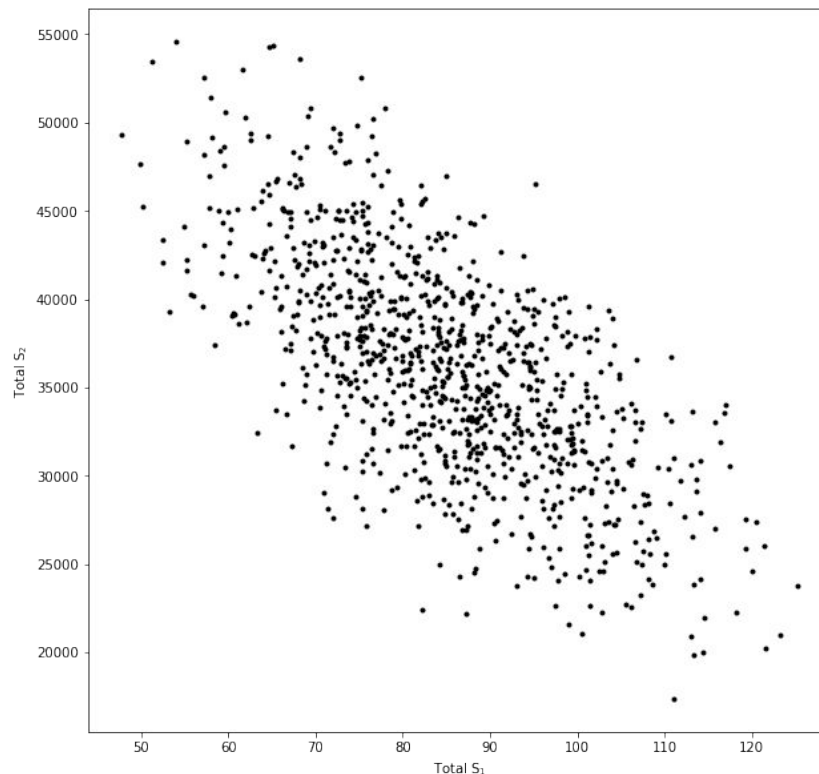


# Running BACCARAT

- Ran test Sims in latest version of BACCARAT (1.0.0)
- Will modify scripts to look for Gamma-X events
- Currently using simple rootpy analysis
- Plan to emulate Bhawna's Gamma-X study

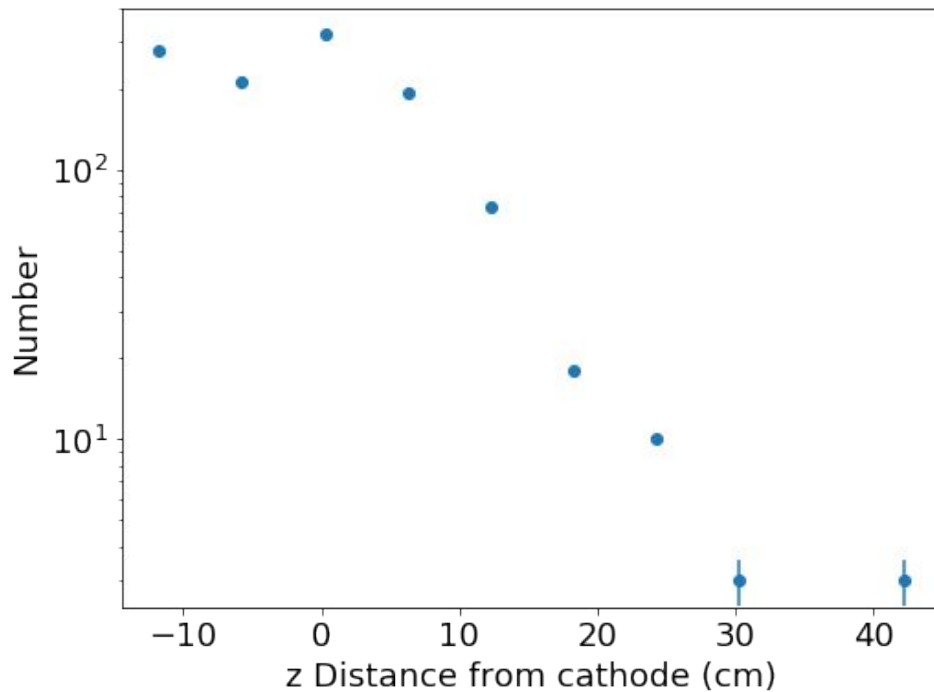
S1 vs. S2 from the BACCARAT test macro



# More Gamma-X results

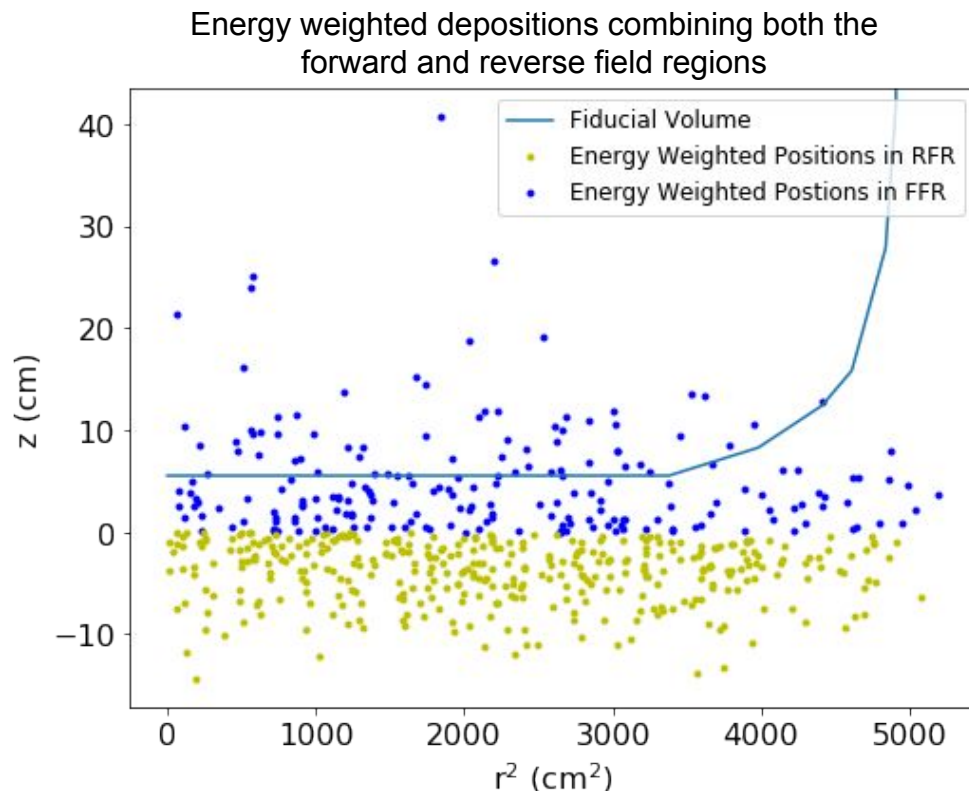
- 100,000 Th 232 Decay Chain Events
- Expected an exponential drop off ( I see one if I don't require energy deposited)
- 

Events in both Forward and Reverse Field Regions



# Gamma-X Update

- Same 100,000 Events as last week
- Producing 560 events in both regions
- Now I add together events in forward and reverse field regions, then do the energy weighted sum
- There is now one dot for each decay event
- Issues getting S1 and S2
  - Needs libNEST
  - Needs Boost



# Fixed Histogram

- This is a histogram of the data on the last slide as a function of  $z$
- The RFR looks almost linear and the FFR looks exponential

Energy weighted events in both forward and reverse field regions  
For individual primary particles

