## Triggered vs Streaming blocks

- In GlueX the L1 trigger creates about 100 kHz (~10 μs /trigger). This means that if we define a Streaming time slice of 10 μs there will, on average, be one good event in the data.
  - How much more junk data will be in this time slice?
- GlueX already blocks 40 events for transport from the ROC.
  - It seems reasonable we could make time slices even larger?
  - A 50 µs time slice corresponds to only a 20 kHz "event" rate.
- The larger the time slice –the more efficient DAQ becomes.
  - Less overhead in the data formatting eg fewer headers
  - Larger blocks of data moved more efficiently in the back-end
  - Making sure there is at least one or more "events" in the slice can make processing more efficient as well.

