

# uBooNE Trigger questions/comments for discussion

I think we decided we'd like to have trigger card, which is in the PMT crate, have its own dedicated PCIe card/fiber.

A process on that SEB will examine DMA'd memory from that card. Can we get that DMA to happen with each trigger?

What is the data structure of the trigger data? I presume the DAQ Clock time will be in here and the event #.

The Assembler process (running on the evt-builder machine) will connect to the above trigger process and receive the trigger data structure. It will then match its DAQ clock timestamp and event # to those from the other SEB's.

Related point: Thus I advocate that we also get the ordinary TPC/PMT DMA with each trigger, **and not just each time N Megabytes are filled.**

Related point: If we get yet another (a 5th!) PCIe card with ACNET beam data coming into it can we imagine matching the DAQ clock timestamp to the ACNET clock's timestamp, so I can also have that in the trigger structure I ship to assembler?