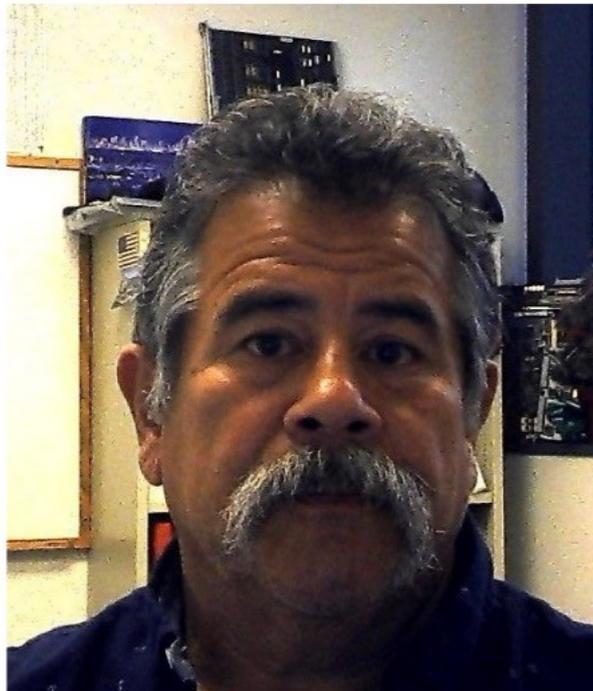

The ECCE DAQ

Chris Cuevas (JLAB) and Martin L Purschke (BNL)



Chris



Martin

What has happened so far

- We held an inaugural meeting on 5/20 after a somewhat rocky start (had to re-schedule twice because must-attend meetings were scheduled for me in the selected time slot)
- Made a doodle poll with at first underwhelming response
- 13 responses now after some nagging and contacting individuals
- Identified two possible standing time slots to serve different time zones - Tuesdays in the evening and Wednesdays in the morning
- (may have a meeting next week disregarding this – see later)

Inaugural meeting highlights

- Your friendly conveners introduced themselves
- Not much introduction needed (not b/c we are famous but we were among the usual suspects for such a meeting, everyone has known everyone else for ages)
- Turns out that the ECCE DAQ crowd has almost perfect overlap with the YR DAQ group – good
- Outlined the vision/plan for this endeavor (next slide)
- Some musings about Streaming Readout – not complicated: Already for the YR we found NO ONE who would speak out for the alternative
- Outlined our good work relationships with many vendors, CAEN, NALU, AlphaCore, Pacific MicroChip, and so on. Representatives often attend the relevant meetings
- Chris introduced a spreadsheet template designed for the CBAF experiments, will be tweaked slightly for ECCE
- Once filled, gives good info on design parameters, channel counts, you name it
- Chris disappeared for vacations right after, should be back next week
- I will start my vacations next week

The Vision (slide shown at our meeting)

Obviously, there will be a DAQ section/chapter in the ECCE proposal

We will need to outline the thinking about reading out the various detectors

Get the relevant info from the other convenors (not just detector group conveners) about requirements, segmentation, readout strategies, segmentation, channel counts, data volumes

Talk (we already do in other venues) to other groups about their hardware, capabilities, roadmaps

Likely draw on many things spelled out in the YR chapter (where many of us were involved in)

Next week, TBD

We wanted to wait for **this very meeting today** to follow up

We need the information from the other detector groups

Our work starts in earnest once we lock in the detector technologies,
firm up on channel counts

Not sure about Chris – my only available on-vacation time slot next week
is Monday morning, thinking of a meeting outside of the polled slots

(stay tuned about this)

Get the aforementioned spreadsheet (likely google sheet) set up

Get to work.