Dear all,

Here is the minutes from today's meeting.

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o Radiation source measurement using FELIX readout <Genki>

- Source measurements are compared between conventional NI-DAQ and FELIX based readouts. The FELIX readout accumulated factor of 3 more entries compared to NI-DAQ base readout. Various spectra readout from FELIX are behaving as we rather expect, while NI-DAQ base shows unexpected dip, awkward distributions. Presumably because NI-DAQ is inefficient in high rate data taking circumstances. **Genki** will try to figure out the deadtime in NI board.

- There may be discrete connection in the recorded yields between top/bottom cells in NI-DAQ. This may be the same origin with the cusp observed in ELPH experiment. **Genki** tries to lower the rate if the discrepancy between NI-DAQ and FELIX are to be diminished.

- There are multiple ideas to pin down the cause of the awkward behavior of NI-DAQ readout, but the first priority is to confirm NI-DAQ and FELIX ultimately record consistent results in low rate circumstance.

o GEANT model development <Cheng-Wei>

- The gap between type-A and -B is defined to be 100um in the INTT ladder GEANT model.

o Production Status <Itaru>

- 6 class-1 ROCs are on their way to BNL. To be delivered within a week or so.

- BEX, conversion cable prototype-II, BCDB are on schedule.

- Itaru should check the slope of the calibration ADC vs. amplitude to see if there is difference between u-coax and FPC cables.

- **Itaru** should check all components if they are all none magnetic.

- There are concern of the corrosion, but the emvironment in IR is clean and there are not too much worry about the corrosion even though some of metal components are not coated.

Best regards,

-itaru

On 2022/04/21 10:36, Itaru Nakagawa wrote:

Dear all,

We'll have the weekly meeting in following time.

April. 21st Thursday 9PM in BNL = April 22nd Friday 10AM in Japan = Friday 9AM in Taiwan

*indico

https://indico.bnl.gov/event/15445/

*Zoom

https://zoom.us/j/92149923535

Best regards,

-itaru