Dear all,

Here is the minutes from today's meeting.

o MC simulator for the beam test <Cheng-Wei&Genki>

- Developed test beam simulator.

- Implemented Coulomb scattering, but results are mysterious. Need to be investigated further.

o Production Status <Itaru>

- Request **Rachid** to dig out thermal camera image of the ROC board took in the past to identify relatively high heat generating regulators among 17 regulators implemented in the primary side of the board.

- Need to hear **Rachid**'s plan what to do with the heat sinks to be mounted on FPGA, whether we mount them in RIKEN or in BNL after the test.

- The contract for the Batch-3 production is in progress. Itaru requested 2 to 3 times separate delivery to avoid BEX to be the show stopper of the barrel assembly. The last delivery is August 10th at the latest.

o Radiation hardness of micro-Coax cable <Itaru>

- The dielectric and jacket material of the micro-coax is PFA which is fluoropolymers. It is known to be weak against the radiation.

- Itaru proposed to let the micro-coax cable to be exposed to neutron source in RIKEN in March 3-4 parasitic on ALICE FoCAL's beam time for 10 hours. INTT teem agrees with the proposal. **Itaru** will proceed.

- Methods to quantify radiation damage effect was discussed. Perhaps observing signal directly, impedance, propagation velocity using supersonic wave may be feasible before/after the radiation exposure. **Itaru** will investigate more.

- Since RG58 cable also composed by teflon as the dielectric material and we haven't seen severe damage in 1008 use, so it may not be too pessimistic situation. However we better confirm.

Best regards,

-itaru

On 2022/02/17 10:05, Itaru Nakagawa wrote:

> Dear all,
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> We'll have the weekly meeting in following time.
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> **Feb. 17th Thursday 8PM in BNL = Feb. 18th Friday 10AM in Japan = Friday 9AM in Taiwan**
>
> *indico
>
> https://indico.bnl.gov/event/14928/
>
> *Zoom
>
> https://zoom.us/j/92149923535
>
> Best regards,
>
> -itaru
>
> _____
> Sphenix-intt-l mailing list
> Sphenix-intt-l@lists.bnl.gov
> https://lists.bnl.gov/mailman/listinfo/sphenix-intt-l