

Calvision news

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14 Sep 2023

CPAD RDC

- CPAD (<https://cpad-dpf.org/>) is organizing a kind of equivalent of the European DRDs
- For calorimetry (RDC9), the organizers are Marina Artuso and Minfang Yeh
- I need you to sign the Overleaf at <https://www.overleaf.com/project/64e35307f85a0392206b2701> I understand you are all busy, but please! Helmut comes to all these meetings!
- Marina and Minfang have organized 2 meetings. Typically there is one person there from an effort. For us, Bob Hirosky and I have come. To me, the goal is still unclear
- But we do need somebody to represent us at the CPAD meeting 7-10 Nov. at SLAC. I will be at the IEEE nuclear instrumentation meeting in Vancouver (how many of us are members of IEEE?) Who can go?
<https://indico.slac.stanford.edu/event/8288/registrations/539/>

Towards our renewal Sep 2024

Simulations

- Chekanov has a draft of a paper comparing the efficacy of longitudinal versus transverse active material for dual readout. Submit soon?
- Any chance of something on methods for speeding up optical simulations?

Advanced Algorithms

- What is the status here?

Using Timing to get the r coordinate in spaghetti calorimeters

- I have seen work presented in the meeting. What is the status of a publication? When can it be expected?

Light Mechanical structures for homogeneous calorimeter

- Andy: can you give a presentation during the 14 Sept meeting on what can be done before the renewal

New materials

- I understand some glass samples have been obtained by Caltech? I imagine you expect publication soon? What is the plan?

Photodetectors

- Nothing is going on here, except Hirosky and I cobbled together something for the DRD4 submission.

Cherenkov light yield with sipmms

- We should have the goal of a paper stating where we stand on the question clearly articulated in our proposal “50 photoelectrons of well-identified cerenkov light per GeV of deposited energy”
- My understanding is that we need to focus tightly to achieve this goal in time to have a submission to a journal by summer. I will start post my current thoughts on the issues in the “single crystal measurements” channel. Let’s start to chat there before the 14 Sep meeting.