

DETECTOR 1 CALO WG KICKOFF

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TODAY'S GOAL

Take care of some organizational business.

Everyone should

- Understand the technologies proposed.
- Understand the important physics driving the choices.

This is not a meeting

- To discuss vigorously (debate) the pros and cons of each system.
 - We literally don't have time for this today
 - *Future meetings will focus on individual elements*, and that will be the time for vigorous discussion

Who are we (the conveners)?

- Detector 1 Calo WG conveners: Friederike Block, Carlos Munoz, Oleg Tsai, PER
 - We are a transitional group while the merger happens.

DETECTOR 1 CALO WG KICKOFF MEETING

- The interim joint calorimetry working group towards the EIC detector 1 design. Our kick-off meeting will take place on Wednesday April 27 at 12:00 ET:
 - <https://indico.bnl.gov/event/15493/>
 - <https://ijclab.zoom.us/j/94064879903?pwd=UTFjbfIBZFHZOHIYYUVzWndpMGNIZz09>
 - You know this because you are here
- Please sign up for the eic-project-calo-l mailing list at:
 - <https://lists.bnl.gov/mailman/listinfo/eic-projdet-calo-l>
- This time-slot is suboptimal
 - Currently **overlaps with Tracking Working Group**
 - Detector 1 calendar at <https://indico.bnl.gov/category/402/calendar>
 - **Not ideal for Asian collaborators** (midnight or 1 am)
 - Many possibilities exist e.g.
 - Alternate meeting times by week,
 - Alternate by topic
 - move meeting to 10 am EDT (or some other time)

DETECTOR 1 CALO WG KICKOFF MEETING

- Well prepared presentations to WG are effective
 - Generally, there were questions about presentations that needed follow up work. Don't be surprised about questions that need time to answer—e.g. a presentation at the next weeks meeting
- **Code of Conduct**
 - Detector 1 has not yet adopted a Code of Conduct. We assume that we will. Until then, this WG is convened under the ECCE Code of Conduct
 - https://www.ecce-eic.org/files/ugd/2b2c77_6806eee1591b428aab20020fc26203f6.pdf

DETECTOR WG CHARGE (For Reference)

- The overall goal of the detector WG's is **to optimize the ECCE reference design towards a technical design within the constraints** listed above. In working towards this goal, the DWG's should collaborate with existing detector consortia (EICSC, EEEMCAL, MPGD, DIRC, DRICH, AC-LGADs, etc.), all detector R&D efforts relevant for Detector-1, and any additional efforts within the EIC scientific community.
- All working groups will work closely with the Global detector/integration working group and the EIC project towards a technical design that optimizes the global detector performance, taking into account global integration and physics performance.
- Each joint WG should hold at least one kickoff meeting where the designs of each proposal are presented in detail. It is critically important that WG members understand the scientific and technical reasoning behind different design choices before engaging in optimization discussions.
- The WG conveners will lead a discussion to identify any non-trivial differences and/or aspects in need of further optimization.
- For each **non-trivial difference** working groups will then **work to prepare a pro/con list accounting for technical performance, risk and cost**. The resolution of non-trivial differences should be discussed in close consultation with the Global detector/integration WG, physics working groups, the EIC project, relevant detector consortia and R&D efforts.