

Report from the Institute Board

IB Meeting on October 13, 2022



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CALICE Collaboration Meeting

Orsay, October 2022



Karlsruher Institut für Technologie

Outline: IB Meeting Agenda

- Preparation of IB Chair Election
- Tungsten Absorber and Tail Catcher Structure at CERN
- CALICE Reaction to the Russian Invasion of Ukraine
- CALICE and the ECFA Detector R&D Roadmap
- Future CALICE Meetings

Preparation of IB Chair Election

One Candidate: Frank Simon



- The first mandate of Frank Simon as IB Chair is coming to an end. Willing to stand for another term, election will be prepared.
- Note: Change of affiliation to KIT.
At the moment still a dual affiliation also with MPP: Representing MPP in IB.
On the timescale of the next meeting will apply for CALICE membership of KIT. Expect that MPP membership may terminate - to be discussed.

Tungsten Absorber and Tailcatcher at CERN

Storage Challenges



- As discussed already in the TB and as reported by Lucia, a Tungsten absorber and Steel tailcatcher are currently in storage at CERN. In particular the Tungsten absorber has a large geometric footprint with its platform, requiring significant space. These absorbers have been used in test beams at CERN in 2010 - 2015.
- Two use cases are identified by the TB:
 - The Tungsten absorber, together with the new AHCAL TP elements, offers an interesting program on shower physics, exploiting the complex time structure in Tungsten. The TB and IB see perspectives for a run in 2024 or 2025. Having the tailcatcher for this run would also be beneficial, but the instrumentation will need to be established.
 - The Steel tailcatcher likely has a number of possible use cases also in the context of a new calorimeter R&D collaboration.
- In view of this, the IB asks the spokesperson to contact Manfred Krammer, the CERN EP department head to request the storage of both elements until 2025 for future measurements by CALICE.
- To document the use of the tailcatcher, it should be checked if data from the CERN tailcatcher has been used in published results.

CALICE Reaction to the Russian Invasion of Ukraine

Current Measures as implemented by the IB



- As a first ad-hoc measure to ensure continued functionality of the CALICE IB, the representation of Russian institutions in the IB has been suspended on March 17.
 - Discussed by Roman Poeschl with Russian IB representatives prior to implementation.
- In April, the following measures were agreed by the IB:
 - Scientists affiliated to Russian institutes cannot represent CALICE at a Conference.
 - For the time being, publications will be submitted to CDS, arXiv and journals given only “The CALICE Collaboration”, without authors. The rules for the author lists will be reviewed in the future, with the goal of adding authors prior to the publication in journals following peer review.
 - Scientists affiliated to Russian institutes cannot present at formal CALICE collaboration meetings.
 - A statement clearly condemning the Russian aggression against Ukraine will be added to the CALICE web page, together with the measures taken.
- At this IB meetings, there was consensus that these measures are maintained for the time being, but a more robust solution is required for the author list -> Next slides.

- The IB notes that a solution for the large LHC collaborations on the matter of the author list has not yet been found, and it is acknowledged that, once it exists, this may provide guidance (but also pressure) for the choice of CALICE. There will however likely not be a 1-to-1 transferability.
- In the IB there is general consensus that for papers with significant Russian contributions the preferred solution is:
 - Russian authors should be listed with their names and institutions, respecting the rules of good scientific practice.
 - A statement should be added on the suspension of collaboration with Russian institutes following the military invasion of Ukraine by the Russian Federation beginning on February 24, 2022. In the acknowledgment, Russian institutes and entities should not be thanked, but statements of facts can be made, such as listing their contributions.
- A prerequisite for the implementation of this policy is that agreement can be gotten from institutes and authors involved in the papers in question. This should be explored.

- The process of forming new collaborations (DRD collaborations) in the context of the implementation of the ECFA Detector R&D Roadmap is starting. -> See presentation by Felix on Wednesday.
- The IB feels that the TB is the right body to develop the vision for the activities of CALICE that enter this process, and mandates the TB to coordinate the CALICE efforts in this context. It is expected that a short presentation or document (few slides / 1-2 pages) will be needed for the TF6 community meeting currently scheduled for 12 January 2023 at CERN to kick off the process of developing the overall proposal.
- The IB notes that, once a new collaboration is formed, changes will come to collaboration meetings. It is important to contribute to the full integration of the new collaboration.
In this context, the success of individual sub-project meetings was reminded.
- Roman reported on discussions with Halina Abramowitz on a possible joint effort of CALICE and FCAL in the process of collaboration formation. The IB notes that it is crucial that CALICE achievements and strengths are transmitted into this process, and are not diluted by representing multiple entities. However, exchanges with FCAL are seen as beneficial, as these may streamline with process and may strengthen the input on highly granular calorimeters.

Upcoming CALICE Meetings

Spring 2023, and beyond



- Göttingen will host the Spring 2023 CALICE Meeting: March 29 - 31, 2023. See presentation by Stan.
- Prague is expressing interest to host the Fall 2023 CALICE meeting. Dates still need to be explored, the target time frame is mid-September to mid-October.
 - Additional expressions of interest are still very welcome!