

Minutes of the EB meeting 2023-05 on 9 November 2023

Time/place of the meeting: 9 November 2023 10:00h. Video Conference via ZOOM

INDICO: <https://indico.cern.ch/event/1344959/>

Present: Ben Kilminster Chair (BK), Tobias Golling (TG), Paolo Crivelli (PC), Michael Spira (MS) and Angela Benelli (Admin, AB).

1. **Agenda.** Approved.

2. **Apologies.** None.

A. Administrative items

3. **Minutes** of the last meeting (2023-04). The minutes are approved; after some minor corrections AB will publish them on the chipp.ch website.

1. **List of Actions.** The items will be covered during the meeting.

2. **Next EB meetings**

15/12/2023 – EB 2023-05 at 10:00 SCNAT

05/02/2024 – EB 2024-01 at 10h ZOOM.

B. Items for discussion

3. **RECFA visit preparation.**

The EB discusses the preparation for the RECFA National visit to Switzerland.

The invitations to the government and funding agencies representatives have been sent, they have been positively accepted.

The EB discusses the potential speakers. The CHIPP committee in charge of the organization will contact them.

To provide information about the post-university studies of Swiss students to the RECFA members, the CHIPP Executive Board, together with SCNAT IT, has organized a survey to distribute to current and former members of CHIPP. So far, 136 responses have been collected.

4. **Roadmap Workshop Organization**

The EB discusses the input and desired output for the Workshop:

Preliminary Steps (By January):

- Determine page limitations – SCNAT/SERI meeting output
- Define pillars clearly, CHIPP has historically 3 pillars, so the EB proposes to split Pillar 1 into two: 1.a) low energy and 1.b) high energy
- Discuss how to fraction the workshop focus on 2029-2032 vs. 2025-2028

Long-Term Planning – for the editors to prepare as Workshop input:

- Science program of pillars
- Priority questions and value to the field
- Experimental program of the pillars
- Timeline of pillar activities
- Known contributions and required funding

- Bullet points of the previous roadmap to consider what to update and what has been achieved so far,

Materials available for Editors/Sessions:

- FLARE requests
- Experiment Timelines
- Assignment of responsibilities (Who is doing what?)
- FLARE PI talks from the board meeting

FLARE-Specific input:

- Schedules of experiments (degree of flexibility)
- Short-term and long-term science goals of experiments/theory
- Historical context in Switzerland

Workshop Goals and output:

- General Objectives:
 - Updates to 2025-2028 based on the previous roadmap
 - Understand timelines for each pillar
- Plenary Session Objectives:
 - Understand the interplay between pillars, experiments, and theorists
 - In terms of physics and technology
 - Focus on hidden-sector and feebly interacting new physics
 - Exclusion plots (collider, fixed target, astroparticle, neutrino)
 - Physics beyond collider plots (led by PC)
- Parallel Session Objectives:
 - Present a short list of issues within each pillar
 - Discuss the evolution of physics over the last and next decades
 - Outline sections of the roadmap (physics motivation, necessary experiments, contributions to construction, timeline overview, milestones, new directions, missing experiments/physics for future roadmaps)
 - Establish priorities for physics and experiments
 - Editors to present the roadmap skeleton and identify needed input
 - Initial recommendations
 - Reevaluation of recommendations later
- Plenary Discussion:
 - Scrutinize the vision and prioritization within the pillars
 - Present consensus and recommendations to the plenary
 - Discuss visions of pillars for the future
- FLARE Discussion at the workshop:
 - Current and future FLARE contributions to experiments
 - Prioritization of FLARE goals

The organization of the parallel sessions, especially on the second day, can be modified based on the output of the first day. One possibility is to organize topic-based sessions.

Indico page for the workshop: <https://indico.cern.ch/event/1325745/>

8. CHIPP Function & Task for 2024 elections

- CHIPP Prize judges (replacement of Ralph Eichler)
- Several positions need to be renewed; Angela will investigate who is available for renewal, the EB discusses the opening of nominations for next Board in spring.

9. FLARE discussion

The CHIPP FLARE request before the Board meeting (2023-03) was 30% over the estimated available for Particle Physics, it is now, taking into account the PIs presentations over of 45%.

Efforts will be made to adjust the requests as much as possible on a voluntary basis.

Considering the possibility of extending the timeline, the question arises: Can the 4-year funding request be spread over 5.3 years? This potential adjustment is under the PIs consideration.

Discussions within the CHIPP board have been initiated to explore statistical data. Several reasonable scenarios for reducing budget requests have been presented to the board for consideration. Addressing the issue of astroparticle overlap, it has been observed that CTA and ET are associated with the CHAPS community. The question arises whether CHIPP should include these in our financial commitments. Regarding the involvement of theorists in experiments, there is an ongoing debate.

A questionnaire will be sent to the CHIPP theory community to know which fraction of their work concern:

1. High-energy
2. Low-energy (GUTs)
3. Neutrino
4. Astro-particle
5. Astrophysics/cosmology (including string theory/gravity)

Furthermore, we can add the list the experiments corresponding to each of the specified categories, so the theoreticians can specify for which experiments their work is interesting.

This information holds significance for both present and future research directions in Switzerland. It directly contributes to the strategic planning of our research community. Importantly, this data will be valuable for upcoming engagements, such as the RECFA meeting with SERI and the roadmap discussions.

C. Items for information

13. Status of recent & future meetings

18-19 January 2024

CHIPP Roadmap Workshop (Balsthal)

8-9 March 2024

RECFA National Visit (PSI)

20 June 2024

CHIPP Board/Plenary 2024 (University Geneva)