

Minutes of the EB meeting 2016-03 on 15 April 2016

Time/place of the meeting: Friday, 15 April 2016, 12:15, SCNAT room “Jungfrau”, Laupenstrasse 7, Bern
Present: Günther Dissertori (GD), Teresa Montaruli (TM), Tatsuya Nakada (TN, Chair), Adrian Signer (AS), Marc Türlér (MT, Secretary)

1. Agenda

The agenda is agreed with the addition proposed by TN to discuss FLARE issues under A.O.B.

2. Apologies

None.

A. Administrative items

3. Minutes of the last meeting (2016-02) ([→ document](#))

The minutes are approved without comments and with thanks to the writer.

4. List of Actions

TN goes through the list of actions. Concerning action 2016-02 – 7, TM reports that she contacted Giuseppe Iacobucci for news about possible ATLAS funding from Geneva, but she received no feedback yet. As a parenthesis, the Swiss representation at the next CERN Resources Review Board (RRB) in two weeks was quickly discussed for each experiment.

5. Next EB meetings

- 2016-04: Friday, 20 May 2016, 12:15, SCNAT, Bern
- 2016-05: Tuesday, 21 June 2016, 11:15 Datcha, UniGE, Geneva

It is agreed to shift the meeting 2016-04 to 12:45 because of room occupancy at SCNAT until about 12:30¹. TM confirms that the room at the Datcha of the University of Geneva is reserved for the meeting 2016-05.

B. Items for discussion

6. Feedback from the RECFA country visit

TN and GD express satisfaction on the way the RECFA meeting went on 1st April 2016. It was a very successful meeting in all aspects. TN notes that the effort of having younger speakers and a fair gender balance was appreciated. RECFA's feedback stresses the importance of long-term commitments to assure continuity in the funding of experiments and outreach alike. GD notes that it helped a lot to have Lenny Rivkin's advice on what is important for RECFA based on the experience of previous country visits. Future RECFA representatives shall keep this in mind. TM liked the student talk based on a survey among Swiss PhD students. Concerning the financial aspects, GD mentions that there will be some contribution – of the order of 2 kCHF – needed from CHIPP.

7. Report form MAP meeting and questionnaire

MT reports briefly on the MAP platform meeting he attended on behalf of the Chair on 23 March 2016. The report from CHIPP mentioned the following highlights since the last meeting: the approval of the neutrino White Paper in November and the on-going transfer of the CHIPP outreach web pages to a new thematic

¹ Due to unavailability of the Chair, the meeting had to be moved later on via e-mail to the next week on Friday, 27 May 2016 at 10:45.

portal hosted by SCNAT. As forthcoming events, the RECFA country visit, the SWHEPPS workshop, and the annual Plenary in conjunction with SPS were mentioned. MT then presents the slides provided by Christian Preiswerk per e-mail on 30 March 2016 on open questions for the performance agreement (“Leistungsvereinbarung”) of the MAP Platform with SCNAT. This concerns only some open issues for which feedback from the member organisations is wished. They include scientific networking, outreach, and promotion to the next generation. GD thinks that MAP could be more active in lobbying the parliament to get enough support. TM sees the need of funding to pursue the university initiatives devoted to the promotion of mathematics and physics in high schools such as the Athena programme of anticipated studies² started in Geneva. She agrees that this is rather reaching the best students already very interested in scientific academic studies, but finds the programme really effective with little additional load for universities. CHIPP could ask Michele Maggiore to report on the Athena programme at a forthcoming meeting. She also mentions the EU-funded Gender Equality Network in the European Research Area (GENERA) to address the gender unbalance issue, as well as the outreach experiments presented at the Physiscope³. Concerning the points in the questionnaire, it was felt that building and maintaining a database with the contact information of all the faculties and departments in the field was not necessary. A concrete opinion could however not be reached for all the points. As an answer to the questionnaire is expected by the 25th of April, it was agreed that there was not enough time to ask for inputs from the Board. TN volunteers to look into this and to provide some feedback.

→ TN: to try providing some feedback to the MAP questionnaire by April 25

8. Talk at the RTI meeting

TN presents the agenda of the next Round Table International (RTI) meeting to be held next Thursday, the 21st of April. In the CHIPP talk, TN intends to present the same main points as presented by MT at the MAP meeting (see item 7, above), with the addition of the coordination efforts of CHIPP in view of the next call of FLARE funding requests. Concerning the agenda item on the Future Circular Collider (FCC), GD notes the absence of information on what is done with the special funding received by PSI from SERI. TN agrees that understanding the financial and the organisational aspects of this is an important point to be addressed at the next Board meeting.

→ TN/MT: to foresee an agenda item on the FCC at the next Board meeting

9. CHIPP Annual Plenary

TN suggests keeping the standard format of the CHIPP Annual Plenary to be held in the morning of Tuesday, 23 August. Besides the elections and the usual reports, he proposes a talk on the FCC more focused on the scientific aspects than in the Board meeting. Concerning new honorary members, some names are mentioned, in particular Felicitas Pauss and Thierry Courvoisier retiring this year. As a parenthesis, it is mentioned that the government is encouraging Swiss collaborations with South Africa. The only big infrastructure to be done in this country at the moment is the Square Kilometre Array (SKA), which interests only a small community in Switzerland. It is suggested to ask Xavier Reymond (SERI) to present the roadmap and priorities at the Plenary. MT notes that the CHIPP Prize ceremony will be together with other prizes of the SPS on Tuesday in the early afternoon.

→ TN/MT: to draft out the programme of the formal plenary meeting

→ TN/MT: to contact potential new honorary members

10. CHIPP PhD Winter School

TN invites MT to present the slides provided by Florencia Canelli on the preparation of the CHIPP PhD Winter School. MT notes that he was positively surprised to see how the organisation is taking shape. With the help of Ms Monika Röllin from the University of Zurich, offers from 15 different places have been asked. The preferred choice is the Hotel Rischli⁴ in Sörenberg (LU), located north of Brienz. The dates have been chosen just before the start of the semester (in most cantons) on February 13–18, 2017. The expected participants are about 20 PhD students, mainly from Switzerland. Registration fees should not exceed about 1 kCHF including accommodation and food, with additional support from SCNAT and CHIPP to cover

² <http://unige.ch/sciences/programme-athena.html>

³ <http://www.physiscope.ch>

⁴ <http://www.hotel-rischli.ch/>

lecturer costs and honorarium. A preliminary draft programme is already prepared and some lecturers have been identified, in particular TM and Marc Schuman. The next steps are to confirm the location, to send out the invitations to the other lecturers, to open the registrations, to announce the school at the CHIPP Plenary and to ask for SCNAT support by the end of August. After a short discussion, the location, dates and foreseen programme were approved by the EB. Related to the SCNAT support request, the possibility of another workshop in 2017 was discussed. GD suggests a follow-up to SWHEPPS 2016 in case of the di-photon bump at 750 GeV being confirmed by ATLAS and CMS later this year. TN proposes to discuss this at a next EB meeting.

→ MT: to add the issue of a possible workshop in 2017 to the agenda of a next EB

C. Items for information

11. Outreach on SCNAT portal

MT reports that the migration of the CHIPP outreach pages to a new thematic portal of SCNAT is almost finished and can soon be announced. There are already two additional news articles prepared by Benedikt Vogel to be included. TN sees it a bit problematic that there is no formal contract between CHIPP and Benedikt Vogel. MT explains the process by which invoices issued by Benedikt Vogel have been handled in the past for the “Dialog” project support by SCNAT. The bills are first sent to Hans Peter Beck, who gives his agreement to MT to have them paid by CHIPP. The payment is then handled by Ms Röllin, the CHIPP accountant at the University of Zurich, and by MT. At the end of the year, CHIPP requests SCNAT to reimburse the funds up to the agreed level of support. AS thinks that this is a well controlled process that has nothing illegal, so he does not see a problem. TN still wishes to talk to Jean-Pierre Ruder on the question of the absence of a contract.

→ TN: to contact Jean-Pierre Ruder about a possible contract with Benedikt Vogel

12. Report from APPEC Town Meeting in Paris

TM presents many slides⁵ reporting on the APPEC Town meeting held in Paris on 6–7 April 2016. She reports that the 3rd meeting on Large Neutrino Infrastructures will be held on 30–31 May 2016 in Tsukuba, Japan. Antonio Ereditato is expected to attend on behalf of the Swiss funding agencies. The main goal of the year is the completion of the roadmap update of 2016. According to the roadmap of 2008, KM3NeT and CTA should already be constructed by now freeing investment costs for the construction of the Einstein Telescope (E.T.). This timeline was obviously too optimistic. TM then shows plots on human and financial resources based on the APPEC Census 2015. She also reminds the scope of the APPEC Town Meeting, which was to receive community feedback on the considerations⁶, which will then be reflected in the recommendations of the APPEC Roadmap 2016. The recommendations shall be approved at the next General Assembly in June. TM notes that possibly more time should have been devoted to discussions, but that the meeting was overall a success with a rich and interesting programme⁷. The future of astroparticle physics is very bright with many new experiments foreseen on multi-messenger astrophysics, neutrinos physics, gravitational waves, dark matter searches and now also with new activities on the CMB and dark energy. She finishes the report with some news from other funding agencies. Japan (MEXT) has selected the Kamioka Gravitational Wave Detector (KAGRA) and global CTA. China will soon open (June 2016) the China Jin Ping Lab (CJPL) at a record depth of 2400 m to host dark matter and neutrino experiments. The construction of the Large High Altitude Air Shower Observatory (LHAASO) has been approved and, besides several space missions such as DAMPE, POLAR HXMT and HERD, the Jiangmen Underground Neutrino Experiment (JUNO) shall be completed in 2019. In the US (DOE), there is a lot of momentum for LBNF/DUNE at the moment and P5 recommended several projects on Dark Energy and the CMB. TM finally mentions that the International Cosmic Ray Conference (ICRC) of 2021 with an attendance of about 1000 participants has been proposed to be held in Geneva at the CIGC conference centre.

⁵ http://www.chipp.ch/documents/APPEC_slides_TM_RTI_2016-01.pdf

⁶ http://app2016.in2p3.fr/APPEC_considerations_8MAR16.pdf

⁷ <http://app2016.in2p3.fr/programme.html>

13. EPPCN agreement signature

TN informs the EB that the signature of the agreement between CHIPP and CERN for MT being the Swiss member of the European Particle Physics Communication Network (EPPCN) will be done today. It will be for a period of 3 years (2016–2018).

14. Status of future meetings

- SWHEPPS 2016, 7–9 June 2016, Ägerisee, ZG: the invitations have been sent out and registrations are collected. The convenors are currently trying to find invited speakers for their session.
→ MT: to send a reminder next week for SWHEPPS invitees to register
- Zuoz Summer School 2016, 14–20 August 2016, Zuoz, GR: the organisation is progressing well.
→ MT: to send a reminder for early registrations to Zuoz until May 1st
- Joint SPS/CHIPP annual plenary 2016, 22–25 August 2016, Lugano, TI: the EB agrees to help with the abstract reviewing, if this is found useful.
→ TN/MT: to propose help to Hans Peter Beck for the TASK session programme
- PSI 2016 workshop on Physics, Symmetries and Interactions, 17–20 October 2016, PSI
→ MT: to send out the second announcement of PSI 2016 when available
- CHIPP PhD Winter School 2017, 13–18 February 2017, Sörenberg, LU: see item 10 above.

15. A.O.B.

TN reports on his discussion this morning with Tristan Maillard (SNSF) concerning the evolution of FLARE. The procedure is to be decided in June. It is likely that the submission of a letter of intent prior to submitting the proposal will not be needed anymore. The next call will be in November 2016 for a 1 to 4 year period with decisions expected in February 2017. There will be a second call in 2018, but no calls in 2017 and 2019. This is a potential problem for the LHC Maintenance & Operation (M&O) request, because of the annual decision on the exact amounts to be provided by each country. A possible solution is to apply for two years and use the budget projections. The computing request will face a similar problem. The possibility to submit requests for the complete four-year period has implications for the request on the Phase II upgrades of ATLAS and CMS. The submission of a four-year request is probably the best approach, because the call of 2018 will likely not have a reserve of a lot of funds for new projects. Good news for the Phase II upgrade is that the expected ETHZ support to CMS is part of its preliminary budget. TN mentions that CERN organised informal discussions on the LHC Phase II upgrade and the neutrino programme; the second meeting will be held in September. He also mentions that the SHiP experiment is still far from being approved by CERN, so maybe it fine to wait until 2020 for requesting FLARE funding. Concerning prioritisation, it is possible that there will be no LA FLARE meeting this year. It is a competitive call, but some feedback on the prioritisation from the community is still foreseen, although it is unclear for now in which form and how this will be reflected in the attribution of the grants. There will also be no strict boundary between funding attributed to CHAPs and CHIPP. TN sees the need to discuss well in advance the FLARE requests, at least for the biggest ones. He proposes to invite group leaders at the EB meeting of June to present concrete funding plans. This will be in addition to the CHIPP table inputs to be collected by then.

- TN: to contact Stéphane Udry to evaluate the needs for astronomy
- TN: to contact Christoph Grab for the computing request
- GD: to contact Giuseppe Iacobucci and TN for the LHC M&O request
- MT: to ask PIs for an update of the CHIPP Tables
- TN/MT: to consider inviting group leaders to the EB meeting of June

The Chair closes the meeting at 15:15.

17 May 2016

written by: Marc Türlér

approved by: Tatsuya Nakada