

## Minutes of the EB meeting 2015-02 on 27 March 2015

**Time/place of the meeting:** Friday, 27 March 2015, 10:15, ETH-Rat, Effingerstrasse 6a, 3001 Bern

**Present:** Teresa Montaruli (TM), Olivier Schneider (OS, Chair), Adrian Signer (AS), Marc Türlér (MT, Secretary), Rainer Wallny (RW, via Skype)

The Chair opens the meeting at 10:15. He thanks everybody for accepting to shift the meeting earlier.

### 1. Agenda

The agenda is agreed.

### 2. Apologies

None. RW attends remotely via Skype. He proposes to use a Bluetooth device next time for a better remote connection.

### A. Administrative items

#### 3. Minutes of the EB meeting 2015-01 (3 February 2015) ([→ document](#))

The minutes are approved with the minor modification suggested by AS via e-mail for rephrasing a sentence in item 4.

#### 4. List of Actions

OS notes that many things on the list are already done, which is good.

#### 5. Next EB meeting

- 2015-03: Wed., 13 May 2015, 12:15, ETH-Rat, Bern (confirmed)
- 2015-04: Fri., 29 May 2015, 11:15, ETH-Rat, Bern (confirmed)

The EB 2015-04 is confirmed at 11:15 because RW is teaching at 15:00 on Fridays. He will therefore again attend the meeting remotely.

### B. Items for discussion

#### 6. CHIPP Plenary 2015: speakers

OS presents the distributed table with the tentative session programme at the CHIPP Plenary. He proposes to confirm the time for the opening talk by Frédéric Bordry on Monday at 14:00. This will be followed in the afternoon by the ATLAS and CMS talks and the two LHC theory talks, while the LHCb and the low-energy parts would be on Tuesday morning. AS confirms the presence of Roberto Contino and proposes to ask Massimiliano Grazzini for the second theory talk, as Stefano Pozzorini declined the invitation. This is agreed. For the ATLAS and CMS session, RW proposes an overview talk covering SUSY and Higgs. He will discuss the filling of the session with Giuseppe Iacobucci. Possible speakers for a talk on the Mu3e experiment are discussed and it is decided to schedule this timely topic at the end of the session on LHCb and low-energy physics with a suitable speaker. Concerning the technology transfer session, OS is glad to mention that Fernando Ferroni is available and willing to come and he will confirm him the time. He also proposes to invite Marzio Nessi for the IdeaSquare talk. AS is ready to get confirmation by Reto Muff and Christian Brönnimann for the talks on RUAG Space and DECTRIS. It is discussed whether to have one or two talks on medical applications and who could speak. OS agrees to see with Lenny Rivkin for a talk on proton therapy with the Gantry facilities at PSI. It is also decided to confirm the talk by Chiara Casella on SAFIR, which is a spin up

of the CMS ECAL. Ugo Amaldi was also considered as an excellent external speaker<sup>1</sup>. Concerning the session on future facilities, OS reminds that the Mu3e talk is now already included in the Tuesday morning session with the LHCb talks. It was proposed that the free space could accommodate a talk on the SHiP experiment to free some time in the session on neutrino physics. This is agreed and OS shall propose to Rivkin a session entitled “Future facilities: motivations and challenges” with four talks on SHiP and on hadron, electron, and muon colliders. Rivkin and Alain Blondel shall think at suitable presenters with a broad view on the topics and including the physics to be explored with these facilities. It was found to be a good idea to move the neutrinoless double-beta decay foreseen in the astroparticle session to the neutrino session, at the place of the previously foreseen SHiP talk. The astroparticle session would thus have four talks on cosmology, direct dark matter searches, very high-energy astrophysics with IceCube and CTA, and cosmic rays in AMS and future space experiments. In order for the neutrino session to have enough time, it was decided to add 10 to 15 minutes to it from the time foreseen for the final summary.

→ MT: to update the tables of the tentative session programme

→ All: to contact the foreseen speakers and to confirm their talks

→ MT/OS: to prepare the Indico page for the registration with the complete timetable

→ MT: to announce the opening of the registrations to all CHIPP members

## **7. Call for EB and ECFA candidates**

The discussion started with the issue – already discussed at the Board 2015-01 – to have at least one member from PSI in the plenary ECFA. OS clarifies that there is already Lenny Rivkin from PSI standing for re-election and thus that there is no need to mention this explicitly in the call. It is agreed to have a single call for restricted and plenary ECFA nominations to be sent to all CHIPP members mentioning that Rivkin and Olaf Steinkamp are both ready to serve, if re-elected. The deadline is set to 11 May to have the list of nominations for the EB 2015-03. Concerning the call for nominations for the EB, OS reminds that there are two people to elect and that the call shall be addressed to the Board members with voting right. He adds that RW is ready to serve if re-elected and that there is the need to find a new candidate to replace himself. It is agreed to keep the same deadline for the call and to discuss the nominations within the EB on 13 May. Asked by RW, OS proposes that we do not mention the issue of the next Chair in the call. Depending on nominations, we can then decide whether to have the Chair election in June or in October.

→ MT/OS: to prepare and send out the calls for EB and ECFA nominations

## **8. Neutrino white paper**

OS opens the topic by reminding the wish of Tristan Maillard (SNSF) and Martin Steinacher (SERI) – expressed at the Board 2015-01 – to have this completed by the end of the year, at the latest. To meet this goal, a complete draft should be written before the Board 2015-02 in June. TM mentions the important ApPEC meeting on neutrinos in mid-April at Fermilab. There is also the decision on the FLARE funding arriving these days. This is new information allowing the EB to ask for an updated and completed document in the weeks to come. OS is a bit worried to have the same situation as in November 2014 with a document arriving too late for a discussion at the EB and the needed iterations before presenting the document to the Board for approval. He wishes that the document includes more on strategy and that it could identify a flagship project as the long-term priority for Switzerland. TM notes that the current document includes already good information on the physics. Still missing is the financial plan and the milestones for the different projects, together with a list of possible scenarios. After some further discussions on the likely result, OS suggests to write a draft message to be iterated within the EB before being sent out to the three neutrino PIs. The target date for a complete draft of the white paper is decided to be the 25<sup>th</sup> of May, in time for discussion at the EB of 29 May and for deciding whether or not to submit a document for approval at the Board of June.

→ OS: to prepare a draft message to be sent to the three neutrino PIs

## **9. Talk at Round Table International**

The next bi-annual meeting of the Round Table International (RTI) will take place on 14 April 2015. OS mentions that he proposed an agenda item on the importance of the HL-LHC and the FCC for the long-term future of CERN to be presented by Lenny Rivkin. He also proposed to give the usual CHIPP talk on the

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<sup>1</sup> It was later agreed per e-mail to not invite him for a 20-minute talk (and not go for a second keynote speaker for this session)

evolution since the last RTI, as well as to keep the talks on ApPEC and CTA. The LHC computing talk was proposed to be dropped this time; an update on the topic will be included in the CHIPP talk. He also mentioned the possibility to discuss the issue on the termination of Antonio Ereditato's mandate given by SERI and SNSF to represent these funding agencies at the interim International Executive Committee (iIEB) of Fermilab. He notes that Tristan Maillard (SNSF) knows the need to take a decision on the continuation of the mandate, but it is not clear whether an opinion from CHIPP is wished or not. A short discussion follows resulting in the decision that OS shall find out whether or not an opinion from CHIPP is expected and if so to discuss the issue again. RW then starts a discussion about the fact that the ETH-Domain is not officially represented at the RTI meetings. In the difficult context of increased funding needs for the simultaneous Phase II upgrade of both ATLAS and CMS, he thinks it would be important to have the ETH-Domain part of the discussion, since it is a major contributor to the CMS experiments. In his opinion it would make sense to have the ETH Domain represented at the RTI, to mirror the representation of the universities by CRUS, the "Conférence des Recteurs des Universités Suisses". OS agrees to emphasise again the issue of the Phase II funding needs at the RTI. He also proposes to write to Hans-Rudolf Ott and to Christian Preiswerk concerning the presence of the ETH-Domain at the RTI<sup>2</sup>. He promises to prepare the slides of his talk and to circulate them within the EB for comments prior to the meeting.

→ OS: to circulate the draft slides of the presentation for the RTI

#### **10. FLARE panel**

OS reminds that SNSF is wishing to make the FLARE evaluation panel more international. There would be an opportunity to nominate somebody outside Switzerland for astroparticle physics. Asked for suggestions by Tristan Maillard, OS did not yet propose possible names. A few names were then put on the table and prioritized. Asked by RW whether this internationalisation would also concern other fields of particle physics, OS states that there is indeed a wish to have international members in all fields of FLARE on the longer term. RW notes that it would be difficult to have somebody not in ATLAS, CMS or LHCb to avoid a conflict of interest. TM sees a solution by choosing a theorist for the FLARE evaluation.

→ OS: to propose international ApP experts for the FLARE panel

### **C. Items for information**

#### **11. CHIPP Prize**

AS mentions that there are five nominations up to now for the CHIPP Prize. This is encouraging since there are still a few days left before the deadline of 31 March.

#### **12. CTA discussions with UniGE and SERI**

TM reminds that the CTA project was evaluated with a B grade following the SNSF/SERI call of early 2014 for new research infrastructures towards the update of the Swiss roadmap. The CTA project can go ahead since it was linked to an A-grade proposal for a Common Data Center Infrastructure (CDCI) at the University of Geneva. The SKA project is exactly in the same situation as CTA. The University of Geneva made a positive evaluation and has now asked TM to provide an executive summary of the document by today at 17:00. The University will then transmit to SERI this document together with their evaluation. She adds that the decision for funding will only arrive at the end of 2016 and sees this as a problem for the funding commitments in 2017–2020, which need to be taken soon within the CTA collaboration. OS clarifies that the decision related to the Swiss roadmap for large research infrastructures is just to define the global envelope to be allocated by the parliament. The detailed funding attribution will continue based on the evaluation of FLARE requests.

#### **13. Balzan Prize nomination**

OS reminds here for the minutes that the CHIPP EB has decided to propose (to SCNAT) a nomination for the Balzan Prize. The nomination letter prepared by TM was edited by the EB and has been sent to Friedrich-Karl Thielemann before the deadline of 15 March.

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<sup>2</sup> Before that happened, RW discussed directly with Ott, who clearly disfavours the idea; RW and OS then decided to withdraw the proposal.

#### **14. CHIPP Tables**

OS reminds that the new format of the CHIPP tables is ready to be sent out to the responsible PIs after Easter, in order to arrive after the information on the FLARE funding decisions. MT should as far as possible include the information from the previous tables in the new template for each experiment. The deadline should be at the beginning of May to have the tables filled before the next EB meeting.

→ MT: to provide filled input tables in the new format to the PIs of each project

→ MT: to collect the information and send a reminder for the missing projects

#### **15. Outreach activities for the SCNAT bicentennial**

OS reminds the presentation on this topic by Hans Peter Beck at the last Board meeting. Beck has submitted a request for a supplementary grant for the SNSF-Agora project "Interactions". A funding of 29 kCHF has been attributed for this. This will allow the projection of the "Particle Fever" movie on the Higgs discovery in Lucerne, Aarau and Sion. This will be followed each time by a podium discussion with a moderator. OS agreed to be the particle physicist for the discussion in Sion. He notes that part of the allocated money will be used to pay tickets to offer free entrance to the movie. This is because the movie will be screened as part of the open-air festivals in Lucerne and Aarau. Asked by RW how the cities were chosen, OS explains that SCNAT pushed a bit to avoid the biggest cities where there are already many foreseen bicentennial activities. It is also important to reach regions of Switzerland where there are usually no outreach activities on particle physics. OS concludes it is very positive that CHIPP contributes with outreach activities to the SCNAT bicentennial, even if it had to be defined a bit in a rush.

#### **16. MAP Platform meeting**

OS gives a short report on the SCNAT meeting of the Mathematics, Astronomy and Physics (MAP) Platform held in Bern on 24 March 2015. Hans-Rudolf Ott regretted that CHIPP is not going to Ticino for its outreach activity linked to the bicentennial of SCNAT (see item 15 above). Minh Quang Tran, the SPS president, noted that the joint SPS and CHIPP annual meeting will be held in Ticino next year. This could be an opportunity to project the "Particle Fever" movie for the public at this occasion. The nomination by CHIPP for the Balzan Prize (see item 13 above) was acknowledged. Elections will take place to replace Hans-Rudolf Ott, Daniel Pfeniger and Gerhard Jaeger, who are all three leaving the executive committee of the MAP Platform. They look for a couple of physicists to replace them. Propositions shall be sent until the end of May. A few names were quickly proposed and TM suggested that it would be good to have a woman. OS proposes to discuss this at the next EB. The next meeting of the MAP Platform will be on 23 September at 14:15, which is on the same day as a foreseen EB meeting. If the EB is moved to 11:15, he would be able to attend both meetings.

→ MT: to discuss with H.P. Beck the idea to screen "Particle Fever" in Ticino in 2016

→ MT: to add a discussion item at the next EB on nominations for the MAP Executive Committee

#### **17. Status of recent and future meetings**

- CHIPP Plenary 2015, 29 June – 1<sup>st</sup> July 2015, Château de Bossey, VD: see item 6 above
- SWHEPPS 2016: Strategy Workshop on High-Energy Particle Physics in Switzerland, early 2016: RW is happy to have Giuseppe Iacobucci as ATLAS co-organiser and would like to have in addition an LHCb person and a theorist as co-organisers. OS agrees to consult his LHCb colleagues and to let RW know about a candidate. For the theorist, Iacobucci suggested Gilberto Colangelo. If he declines, AS would be ready to take this responsibility.

→ OS: to find an LHCb co-organiser for SWHEPPS 2016

→ RW: to ask Gilberto Colangelo to become a co-organiser of SWHEPPS 2016

#### **18. A.O.B.**

None.

The Chair closes the meeting at 13:25.

6 May 2015

written by: Marc Türlér

approved by: Olivier Schneider