

Minutes of the Board meeting 2017-02 on 21 August 2017

Time of the meeting: Monday, 21 August 2017 from 13:00 to 16:00
Place of the meeting: building 500-1-001 - Main Auditorium (CERN), Geneva

The Chair opens the meeting at 13:00 (→ [Slides of the Chair](#))

1. Welcome and agenda

The Chair welcomes the Board members, Honorary Board members and the Observers at the Board. There is a new Board member: Thomas Werder (SNF) that cannot be present and the Chair welcomes Marc Turler that is today the representative from SNF. The proposed agenda is approved with the addition of an update on the “Open Research Data: SNSF issues guidelines for data management plan” by Thomas Gehrmann under A.O.B.

ADMINISTRATIVE ITEMS

2. Apologies and Proxy votes

Board members with voting rights (as of 6 July 2017): 66

Present: Baudis, Beck, Blondel, Canelli, Colangelo, Dissertori, Golling, Grab, Iacobucci, Isidori, Kirch, Kotlinski, Mermoud, Nakada (Chair), Piegsa, Rivkin, Schneider, Sfyrla, Signer, Wallny, Weber, Wu.

Other participants: Amsler (Hon.), Benelli (Admin.), Bourquin (Hon.), Clark (Hon.), Pauss (Hon.), Reymond (Obs. SERI), Schopper (Obs. SPS), Türler (Obs. SNF).

The Chair details the apologies received and the proxy votes announced before the meeting¹.

Quorum: 22 votes (= 1/3 of the Board members; Art. 24.1 Statutes); Votes present: 23 + 7 proxies = 30

→ The quorum is reached.

3. Minutes of the last meeting (2017-01 [March 2017]): (→ [document](#))

The Chair asks for comments concerning these minutes. As there are none, he invites the Board to approve them.

The Board unanimously approves the minutes (with thanks to Marc Türler, the minutes' writer).

DECISION ITEMS

4. Re-Election of two Executive Board members and of the CHIPP Chair (→ [document](#))

Adrian Signer chairs the session; he asks if the Board has questions for Tatsuya Nakada or Gunther Dissertori. Since there are none, T. Nakada and G. Dissertori leave the room. A. Signer explains that the EB did not ask for nominations as it would strongly like T. Nakada and G. Dissertori to continue as EB members and both of them were willing to serve as EB members for another term. The Board gave its agreement on March 2017, now the EB asks the Board to re-elect them.

Rainer Wallny express his gratitude for the work they provide for the CHIPP community and many in the audience agree with him. A. Signer asks if somebody would like to have a secret vote, since nobody requests it, it's decided to vote with a raising of hands. A. Signer starts by asking the Board to re-elect T. Nakada as EB member and Chairman, the vote is unanimous in favour. A. Signer asks to re-elect G.

¹ Proxies: Canelli (for *Kilminster*), Hildebrandt (for *Ritt*), Kirch (for *Krusche*), Piegsa (for *Kreslo*), Schneider (for *Bay*), Signer (for *Spira*), Weber (for *Ereditato*). Apologies: Gehrmann, Kunz, Minkowski, Montaruli, Wojciech, Horisberger.

Dissertori as EB member, the vote is unanimous in favour. T. Nakada and G. Dissertori enter in the Main Auditorium, a round of applause for them. T. Nakada thanks everybody for the confidence the Board has expressed in re-electing them.

The Board in open vote and unanimously elects Tatsuya Nakada as EB member and Chairman, Gunther Dissertori as EB member, both of them for a two-year mandate from December 2017 to December 2019.

5. Re-election of the observer in the Committee on Space Research (CSR) (→ [document](#))

Tatsuya Nakada retakes the chair of the meeting. He explains that CHIPP has an observer at the Commission on Space Research (CSR) of the Swiss Academy of Sciences (SCNAT). In March 2015 Xin Wu was elected as CHIPP observer at the CSR with the approval of the SCNAT. TN asks the Board to re-elect Xin Wu for another term and invites X. Wu to explain to the Board of what consists his role in CSR.

X. Wu explains that as CHIPP observer he has no right to vote in the CSR committee, but since he is also member of CSR he can actually vote. X. Wu explains that CSR is a commission that coordinates activities from all space studies: astrophysics, astronomy and cosmology. For the moment CSR is pushing the support for new experiments like: the High Energy Cosmic Radiation Detection facility (HERD) that is planned to be launched and assembled in 2020 on board China's Space Station; POLAR the compact detector for Gamma Ray Bursts photon polarization measurements; and other projects for the study of Gamma Rays.

X. Wu encourages the community to push experiments that are of interest because the CSR is open to support them. X. Wu would like to continue to be observer for CHIPP at the CSR and he is willing to continue to report to the Board.

T. Nakada asks if a secret vote is requested; since nobody requires it a vote with raising hands is done. X. Wu exits the Main Auditorium and he is re-elected unanimously by the Board.

Olivier Schneider asks why X. Wu was re-elected for two years only, since the first term was for three years. T. Nakada explains that the first term of X. Wu started in March, when the year was already started, so it was an exceptional term's length, since all the CHIPP terms are usually 2 years it was decided to ask the Board to re-elect X. Wu for a two years second term.

X. Wu is welcomed in the room with a round of applause.

The Board in open vote and unanimously elects Xin Wu as CHIPP representative in CSR for a two-year mandate from December 2017 to December 2019.

6. Election of the Swiss IPPOG representative (→ [document](#))

Tatsuya Nakada introduces the International Particle Physics Outreach Group (IPPOG) that is now an international collaboration.

T. Nakada explains that Hans Peter Beck was the Swiss representative in IPPOG for many years and since he is now one of the Chairs of the IPPOG collaboration he cannot serve anymore as Swiss representative. It was requested that CHIPP elect a new representative. The call for nominations was done, and two candidates accepted the call, but only today they realized that they were both from the University of Zurich and Olaf Steinkamp preferred to withdraw and leave Katharine Muller as the only candidate for the position.

T. Nakada asks the Board if somebody is ready to say few words about her. Gino Isodori says that she already did a very good job in outreach and that he trusts her; Florencia Canelli says that she did an excellent work in organizing the MasterClass, she is the main contact with the high schools and for all the outreach projects, she is very good; Malte Hildebrandt adds that also in his opinion she is a very good candidate.

The Board vote for her unanimously with a raising of hands. T. Nakada thanks again Hans Peter Beck for the work he has done during these years, the Board applauds.

The Board in open vote and unanimously elects Katharine Muller as Swiss representative in IPPOG for a two-year mandate from September 2017 to September 2019.

7. Nominations for admission of new honorary members (→ [document](#))

The Chair reminds the board about honorary memberships as described in the Statutes. The admission of Honorary Members is at the discretion of the CHIPP Plenary, based on a recommendation by the Board. He recalls that there are two types of membership: for the Board or only for the Plenary.

Three Professors were eligible to be honorary members this year: Martin Pohl (Uni Geneva), Roland Horisberger (PSI) and Friedrich-Karl Thielemann (Basel University). M. Pohl would like to retire in Germany and thus declined the possibility, while R. Horisberger and F. Thielemann requested to be admitted as Honorary Board Members. In absence of comments, the Chair proceeds with the vote.

The Board, in open vote and unanimously,
- confirms that the two applicants fulfill the requirements for being granted the status of Honorary Board Members by the end of 2017 according to the Statutes;
- submits to the Plenary the proposals of Honorary Board Membership by the end of 2017 of Roland Horisberger and Friedrich-Karl Thielemann, thereby recommending their admission in this category.

DISCUSSION ITEMS

EB reports:

TN reports on some of the issues that have been discussed within the EB in the last weeks:

ATLAS Computing:

CSCS had some problems fulfilling the requests of tier-2 of ATLAS, some expertise was required that CSCS did not have. CSCS requested to outsource part of the job to the University of Bern. A formal agreement between CSCS and University of Bern is done, is working well, SNF accepted the agreement.

Computing Board items:

C. Grab, as chair of the CHIPP Computing Board, has discussed with the EB the proposal to create an LHC Computing Board (CLCB), it will be the body that will take the political decisions about the LHC computing issues, it will be formed by the PIs of the FLARE founding requests and will have as a technical support the group of people that were before in the CCB.

There is also the need for a Wider CHIPP Computing Board that will include all the CHIPP Pillars and an interface to communicate with the outside; C. Grab will propose a procedure to get there.

SERI and SNF funding:

T. Nakada reports that SERI and SNF are having discussions about some outstanding issues on participation in the meeting of funding agencies for large international experiments, such as RRB at CERN and for DUNE. SERI has had always a role in funding infrastructure and organisation and funding of experiments was not under its mission. SNF, in particular through FLARE, is now more relevant for this type of meetings. They are considering to participate in those meetings.

T. Nakada reports that when the funding requests were sent to FLARE (SNF) this year, the CTA experiment abstained because they were supposed to be supported through a dedicated fund by SERI. However, the CTA has decided to change its legal structure from "GmbH" to "ERIC" and SERI cannot release the fund till the transition is completed, which takes as much as one year. This introduces some difficulties, particularly for the R&D work being carried out by the Geneva group since the SNF funding will finish already at the end of 2017.

SERI understood the great damage for the Geneva collaborators in CTA, who need the funding to cover the expenses for demonstrating prototypes; SERI is kindly seeking a way to help during this transition period.

T. Nakada informs the Board of the new Administrator contract that has been signed by Angela Benelli in the beginning of June.

8. Pillar 1 White Paper (organisation & schedule)

Rainer Wallny presents [his slides](#) about the SWHEPPS summary paper and the next steps towards preparing a Pillar 1 White Paper. He explains that the other two CHIPP Pillars, Neutrinos and

Astrophysics have already written their White Papers with the same characteristics as in the past when the WP were done to prepare for the FLARE funding requests.

Prioritisation of projects will not be included for this Pillar 1 WP, since we need to make a CHIPP wide discussion for the 2018 Swiss Road Map for particle physics where the CHIPP priority should be presented. For this we will have two dedicated Workshops, in April and in September 2018. Then in 2019 there will be the discussion about the European Strategy. The Pillar 1 WP should provide the necessary ingredients for discussing the prioritisation during the Workshops in 2018 and it should be ready before April 2018 for the first WP.

The EB asked the SWHEPPS editors to produce the WP largely based on the SWHEPPS summary paper, since the physics landscape is not changed a lot, but to cover areas that were missing during the SWHEPPS Workshop.

R. Wallny asks the Board if it agrees to have a core editorial team of five people, to be selected from the convenors who wrote the SWHEPPS summary paper, in order to produce a coherent document fast. In addition to the proposed five people by R. Wallny, several more names are proposed. It is noted by several people that the list does not include an expert in detector development, which is a very important item for the field. On the other hand, it is argued that the core team could not be too large for efficient work. It is also pointed out that since the WP aims at a concise document of about 10 pages, not much details can be included. R. Wallny reminds the people that the core team will consult the other authors of the summary paper and its mandate does not include making any prioritisation of the projects in the document.

TN concludes the discussion by summarising that the SHEPPS editorial team should now take notice of the discussions and of the requests that have been discussed at the Board. They need to proceed from here and discuss between them how to get the WP written by the deadline. The Board agrees in a smaller team of editors.

9. Computing Board

C. Grab presents [his slides](#) where he explains that there is the need for two different bodies: one that covers the LHC experiments, and a second that is wider than the LHC, a body that takes care of more general CHIPP computing strategy.

The CHIPP LHC computing board (CLCB) will be the strategical and political body that will decide on all issues for the LHC experiments, including the FLARE requests, negotiation of new contracts, re-distribution of resources and other issues. The CLCB will rely on technical input from a technical board that are now called CHIPP Computing Board. This board will be renamed as Technical Advisory Board and continue to advice the CLCB board. The CLCB shall consist of PI-representatives; one person per experiment and one per institute, i.e. present FLARE LHC Computing grant holders, and will meet every two weeks.

He asks the board for confirmation of this proposal.

CG introduces the second proposal, a wider CHIPP computing board that would include all CHIPP Pillars. In order to facilitate the communication between the different CHIPP Pillars it is necessary to identify one representative from each Pillar that will explain the needs and proposals of his or her community. C. Grab asks to send proposals for contact people to C. Grab and A. Benelli.

G. Colangelo asks if one person from theory, in particular from Lattice Field Theory could be one of the representatives. C. Grab agrees and requests names from the Neutrino community, Astroparticle community, Theory, Low energy and precision measurements community.

The Board agrees on creating the CHIPP LHC Computing Board with the proposed mandate. The Board agrees on the proposal of a wider CHIPP Computing Board. The Board agrees that every CHIPP Pillar will send before the end of October a representative to be part of the first kick-off meeting of the overall CHIPP computing strategy.

10. CHIPP roadmap Workshop

Michele Weber presents [his slides](#), he explains that the update of the CERN strategy is expected by late spring 2020 and that the preliminary discussions will take place in 2019. In order to prepare the Swiss contribution we should be ready by early 2019 and this would mean the update of the CHIPP Roadmap in 2018. To prepare for this there will be two strategic workshops; the first one 3½ days long, to have inputs, to get the overviews, to discuss the Pillar 1 WP, to discuss issues and options for priorities. Then there will be a second one, two days long where the roadmap should be defined together with the prioritisations. M. Weber reminds the Board that we are requesting funding from the SCNAT for these two workshops and that we should define a committee to plan the sessions and speakers. We intend to invite few external speakers for specific subjects where one of them should be from the CERN.

11. Input to the Swiss Research Infrastructure roadmap (2021-2024)

The Swiss Research Infrastructure roadmap will be updated for the 2021-2024 period. Only the universities (Cantonal universities and ETHs) are consulted for their input and not community representatives such as the CHIPP. The SERI's first opinion was that the community input could be reflected through the universities but after discussion they realised that community representatives such as CHIPP could bring inputs which would be complementary and more global and thus SERI will consider to include community organisations in the next round. For this time, the only CHIPP concerned matter are the long baseline neutrino projects (T2K, T2K-II, DUNE and HyperK) and since this was already discussed in the previous Roadmap, only updated information will be asked directly from the community.

12. European Centre for Theoretical studies in Nuclear Physics (ECT*) membership

Gilberto Colangelo presents his slides ([1-2](#)). He introduces the European centre for Theoretical Studies in Nuclear Physics and Related Areas (ECT*). The goals of this centre is to promote the research in theoretical nuclear physics, to foster contacts between nuclear physics and the other branches of physics organising workshops, to organise training projects. ETC* is focused on hadronic physics, but he stresses that the calculations and results of this field are of central interest for many other fields, especially in particle physics and astrophysics. Switzerland should contribute with 10'000 CHF per year in exchange for the possibility to be part of the Commission that decides the ETC* program of Workshops. Trento province (Bruno Kessler foundation) contributes almost 50% of the budget and other countries comparable to Switzerland contribute 10'000 euros.

T. Nakada expresses his concern on how to find the money even if the CHIPP were to support joining the ETC*. CHIPP does not have this amount of money and we cannot ask further fund from the SCNAT. One possibility is to seek the SNF support as done for the NuPECC. G. Colangelo adds that organising a Workshop within ECT* would be less expensive than in many other places.

T. Nakada will report to the next Board meeting after talking to the SNF about their possible funding. The Board will evaluate the proposal and decides on its support at the next Board meeting.

INFORMATION ITEMS

13. Support to Swiss NuPECC membership

Tatsuya Nakada reports that the Interdisciplinary and International Co-operation Division of SNF has informed him that the CHIPP request and justification fulfilled their requirement for SNF to continue paying the membership fee for the NuPECC. SNF have to formally approve the payment each time when the invoice arrives and may ask CHIPP to submit a short report on the NuPECC activities.

14. Zuoz Summer School 2018

Adrian Signer presents [his slide](#). He introduces the Zuoz school for next 12-18 August 2018: "Particle Flavour Fever". He asks that the school must be strongly supported by the CHIPP members. The school can welcome 20 more students than last year and he wishes to see as many PhD students from each university as Geneva and the EPFL sent last year. AS underline the excellence of the foreseen speakers.

15. SCNAT funding requests

Tatsuya Nakada presents the funding requests for this year to the SCNAT. The Zuoz school, the IPPOG membership, the two Strategic Workshops and the support to continuing the dialog with society are the

requests for a total of 41'300 CHF.

16. CERN fellowship procedure

Tatsuya Nakada reports about the information he has obtained about the procedure of the CERN fellowship selection. As in the past the CERN fellow selection committee has input from the member states in terms of ranking for the Research Fellow applicants while for the Applied fellowship the CERN committee alone that decides. The ranking given by the member states is just one of the many inputs the CERN committee receives. SERI has made the ranking by itself until last year but from this year asks CHIPP to provide the ranking, which will be transmitted to CERN. As agreed in the last Board meeting, the EB chair receives the names and the application forms of the Swiss candidates (not the reference letters) and asks the EB members to evaluate the candidates with a care to avoid any conflict of interest. The possible marks are A-B-C-D. CERN considers A and B as good marks.

17. New professorships at CHIPP institutes: report from each institute

Bern University: Florian Piegsa from the 1st September will be an SNF Professor. He was working in Bern and in the low energy neutron experiment in PSI. For him was followed a very special procedure: no public call was done for the position since he had a very successful Assistant-Professor position till now and the University already decided to employ him as a Professor.

Fribourg University: decided to withdrawn from CHIPP

Geneva University: no news

Zurich University: no news

EPFL: maybe a position in experimental particle physics to be opened in the near future

PSI: no news

ETHZ: no news

Basel University: no news

18. Next CHIPP Plenary and Board meetings

Next Board meeting will be the 3rd of November in the University of Bern. Next Plenary meeting has not been fixed yet; there is the possibility to have it during the Joint SPS CHIPP Annual meeting 2018 that has not yet been finalised.

19. Open Research Data: SNSF issues guidelines for data management plan (DMP).

Thomas Gehrman presents [his slides](#) via Vidyo conference. He explains that what he presents is an extract from the information that SNSF has published on its web site. The SNSF Data Management Plan (DMP) will be part of the funding request application after a pilot period in which the DMP will be requested but it would not have any weight on the funding evaluation.

The SNSF requires not only the availability of the published articles but also the data that were used to obtain the results presented in them and the planned life cycle of the data. To T. Gehrman it's clear that SNSF do not want few terabyte of raw data from high energy physics experiments and they require the data from which the results can be obtained, like the points in the plots that are already usually published as data-tables.

An animated discussion starts: the SNSF requires that the data are Findable, but it's not clear what it really means, does it mean that they should be able to retrieve the data or to know where they are? They want to know what type of data the experiment is collecting, how data are preserved, if data are shared and re-used. Thomas explains his interpretation of the SNSF requests: it's like a note of intentions; they want to set the rules and the standard policy on data management.

There is a point where the SNSF requires public access to the data with the tools necessary to read them, as it has been done for the data collected by CMS at 7 TeV. There is a project, opendata.cern.ch, that we could look at and take some inspiration. It is the open data policy of CERN. It could be used to show to SNSF what are the standards and the possibilities in a big experiment at CERN.

Several people are very sceptical about this opening of access to the data: First of all non expert people could analyse them in the wrong way and get contradictory answers and it also requires an experiment to invest a lot of time to set up all the environment and tools. It is also pointed out that it doesn't depend on us alone: i.e. we are part of collaborations where there are general rules on data management. Working in the US experiments requires special rules to be followed regarding the data management and that the collaborations are forced to adapt.

Felicitas Pauss, a member of the SNSF Executive Committee of the Foundation Council, stresses that we should have a common strategy, all the experiments, small or big should submit to the same standards, we should help SNSF to understand how we normally work and CHIPP should write a document that could help all of us to submit the DMP form, like a template to follow. All Particle physics experiments have very high standards regarding the data management; it's not like this in many other research fields. There is a general support for the CHIPP to provide help for big and especially for small experiments in this procedure. We need a Group for collecting information: Rainer Wallny, Michele Weber and Hans Peter Beck could be part of it.

This matter is also widely discussed at the universities to provide a support for the SNSF applications by their researches.

After discussions the Board agrees on providing a common guideline for the SNSF DMP written by CHIPP. The Board agrees on giving all possible help to those who apply for funding at the SNSF in 6 weeks from now including the DMP.

The Chair thanks everybody and closes the meeting at 16:00.

6 September 2017

written by: Angela Benelli
approved by: Tatsuya Nakada