

DRAFT

Minutes of the Board meeting 2019-02 on 2 July 2019

Time of the meeting: Tuesday, 2 July 2019 from 16:15 to 18:15

Place of the meeting: Victoria Hotel, Kandersteg

1. Welcome and agenda

Tatsuya Nakada, the CHIPP chair, welcomes the board members, the board honorary members and the observers at the board. A particular welcome to the two new members of the Board: Bernhard Lauss (PSI) and Andreas Crivellin (PSI & UZ), to Marc Türlér from the SCNAT, Gregor Haefliger and Laurent Salzarulo from SERI. The agenda is approved.

ADMINISTRATIVE ITEMS

2. Apologies and Proxy votes

Board members with voting rights (as of 2 July 2019): 63

Present: Bay, Braccini, Crivellin, Dissertori, Grab, Hildebrandt, Isidori, Kirch, Kotlinski, Lauss, Nakada (Chair), Rivkin, Schneider, Sfyrla, Shchutska, Sanchez Nieto, Wallny, Weber, Wu.

Other participants: Amsler (Prof. em), Benelli (Admin.), Blondel (Prof. em), Clark (Prof. em), Donega (ETHZ), Jorgen D'Hondt (Vrije U. Belgium), Haefliger (Obs. SERI), Salzarulo (Obs. SERI), Seidel (PSI), Schopper (SPS), Türlér (Obs. SCNAT).

Apologies: B. Krusche, G.Colangelo, M. Bourquin, T. Montaruli, H.P. Beck, P. Mermod, T. Werder (SNSF)

The Chair details the proxy votes announced before the meeting¹.

Quorum: 21 votes (= 1/3 of the Board members; Art. 24.1 Statutes); Votes present: 19 presents + 10 proxies = 29 → The quorum is reached.

3. Minutes of the last meeting (2019-01 [February 2019]): → [minutes](#)

The Chair asks for comments concerning the minutes of the previous meeting (the correction R. Wallny were included in the last distributed version), the Chair invites the Board to approve them. The minutes are approved and will be published on the [CHIPP](#) website.

DECISION ITEMS

4. Election and Election of Executive Board members

The current composition of the Executive Board is: **Tatsuya Nakada** (EPFL), Chair, until Dec 2019, **Michele Weber** (Uni. Be), until Dec 2020, **Gino Isidori** (Uni. Zh), until Dec 2020, **Günther Dissertori** (ETHZ), until Dec

¹ Malte Hildebrandt (for *Stefan Ritt*), Bernhard Lauss (for *Adrian Signer*), Isidori (for *Thomas Gehrman*), Klaus Kirch (for *Michael Spira*), Lenny Rivkin (for *Laura Baudis*), Günther Dissertori (for *Florenca Canelli*), Michele Weber (for *Igor Kreslo*), Saverio Braccini (for *Antonio Ereditato*), Christoph Grab (for *Ben Kilminster*), Aurelio Bay (for *Riccardo Rattazzi*)

2019. Since Tatsuya and Günther will reach in December the end of their terms the Chair has called for nominations that resulted in two new candidates standing for election: **Anna Sfyrla** (U. Ge) and **Rainer Wallny** (ETHZ). They are ready to serve for a first and a second term respectively as EB member. R. Wallny served as vice-Chair to Olivier Schneider from 2013-2015.

Tatsuya invites the two candidates to say few words. Anna is happy to serve for the CHIPP community as EB member helping to define the Swiss Roadmap in the next years. Rainer explains that he is willing to coordinate the bottom-up process to define the Swiss Roadmap, it is a big challenge for the future and it's necessary to take into account the diversities and strengths of the whole community.

Since there are no questions Tatsuya asks the Board to vote. Since it's a personal matter a secret vote is requested. Tatsuya asks the Board to approve the two candidates in the same voting procedure.

The Board elects Anna Sfyrla and Rainer Wallny unanimously as vice-chairs in the EB (Jan. 2020 – Dec. 2021).

Günther Dissertori raises the question about the lack of directions in the CHIPP Status about how many terms are allowed being an EB member, and for the case if the terms are not consecutives. Another point regards the Chair selection is that at the moment there is no rule for the election of the Chair. There is a clear need for the revision of the Status. The EB proposes, for this time, that the EB put forward two names among the EB members and ask the vote of the Board to select the Chair between them.

The EB and EB Chair election procedure should be discussed at the next Board meeting.

The EB proposes Rainer Wallny and Michele Weber as CHIPP Chair candidates. Tatsuya asks the candidates to say few words. Rainer explains that his wish for the EB to continue to work as a team, it has been very functional in the past with regards of the FLARE requests, with the communication with SERI and we need to continue this during the process of decisions regarding the Swiss Roadmap. Rainer is willing to serve as CHIPP Chair for one term, then he is willing to leave the position. Michele stresses that he has already served for two terms as EB member working on the Strategy input, this work will naturally result to the Swiss Roadmap. He has cultivated very good relationship with the funding agency SERI. He adds as a last point that maybe it would be a good change to have a CHIPP Chair coming from the University instead of the ETH domain.

Tatsuya asks Michele and Rainer to leave the room to allow a short discussion and questions. Afterwards the candidates enter the room to be able to vote.

The Board elects Rainer Wallny for his first term as chair in the EB (Jan. 2020 – Dec. 2021). The result of the vote is: 21 votes for Rainer Wallny, 8 votes for Michele Weber, 1 abstention.

NB: Angela by mistake gave a paper to vote to Alain Blondel, as a Prof. em. he should have not voted. The result is not compromised since the difference in the results is higher than 1.

A round of applause for Rainer.

5. Election of the APPEC General Assembly scientific delegate

The Chair reminds that Switzerland is a member of the Astroparticle Physics European Consortium (APPEC) since January 2013. Teresa Montaruli, the actual APPEC Swiss representative is also the APPEC Chair, for this reason she feels inappropriate to continue as Swiss APPEC representative. The call for nominations resulted in one new candidate standing for election: Xin Wu (U. Geneva). The SNSF will have to approve this election.

After Xin Wu has express his willingness to serve and accept the role of gathering all the astroparticle inputs in the future to present to APPEC, the Chair proceeds with the secret vote.

The Board elects Xin Wu unanimously as APPEC General Assembly scientific delegate from Aug. 2019 – Dec. 2021

The length of the term is unusual, but it was requested by T. Montaruli to replace her as soon as possible.

Tatsuya will inform this election result to SNSF.

6. Re-election of the IPPOG representative

Tatsuya Nakada explains that Katherina Müller has already served one term as the International Particle Physics Outreach Group (IPPOG) Swiss representative. She is willing to serve another term. The Board vote for her unanimously with a raising of hands.

The Board in open vote and unanimously elects Katharine Muller as Swiss representative in IPPOG for a two-year mandate from September 2019 to September 2021.

7. Re-election of the CSR representative

Tatsuya explains that CHIPP has an observer at the Commission on Space Research (CSR) of the Swiss Academy of Sciences (SCNAT). Xin Wu has served for two consecutive terms as CHIPP observer at the CSR with the approval of the SCNAT. TN asks the Board to re-elect Xin Wu for another term.

The Board in open vote and unanimously elects Xin Wu as CHIPP representative in CSR for a two-year mandate from January 2019 to December 2021.

8. Nominations for admission of new honorary members

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.

One Professor was eligible to be honorary members this year: **Lenny Rivkin** (PSI and EPFL). Lenny Rivkin requested to be admitted as Honorary Board Member. In absence of comments, the Chair proceeds with the vote.

The Board, in open vote and unanimously,
- confirms that the applicant fulfill the requirements for being granted the status of Honorary Board Member by the end of 2019 according to the Statutes;
- submits to the Plenary the proposals of Honorary Board Membership by the end of 2019 of Lenny Rivkin thereby recommending his admission in this category.

9. Nomination for re-election of a Swiss Plenary-ECFA representative

The Chair introduces the topic by recalling that the election of the Swiss representatives in the European Committee for Future Accelerators (ECFA) belongs to the CHIPP Plenary, based on a recommendation by the Board. The present Swiss representatives in ECFA are: **Mike Siedel** (PSI), Restricted ECFA and Plenary ECFA member, **Frederic Blanc** (EPFL), **Domenico della Volpe** (Uni. GE) and **Andreas Knecht** (PSI) are Plenary ECFA members.

Domenico della Volpe (Uni. GE) is Plenary ECFA member until Dec 2019 in his 1st term and is willing to serve for a second term. The election has to be rectified by the ECFA.

The Board re-elects unanimously **Domenico della Volpe** (Uni. GE) as Plenary ECFA for a 2nd three-year term (Jan. 2020 – Dec. 2022)

Mike Seidel, after the approval of the Plenary Board, will inform the ECFA.

EB communications

Tatsuya Nakada reports about the **news from the Executive Board**. First, he congratulates Federico Sanchez Nieto as the new co-spokesperson in T2K and Teresa Montaruli as the new APPEC Chair.

CERN Swiss Users: Günther Dissertori has informed the EB that in the context of the (March 2019) Council week and the preparatory meeting with SERI, our SERI colleagues have decided to make a request to CERN

management to clarify these issues with the CH user numbers in different categories and to propose a consolidated and well understood statistic. Günther and Angela have investigated what is the meaning of the label CERN Swiss Users. To an outside person “CERN Swiss User label” means a person that does particle physics research and is affiliated with a Swiss Institute, in reality under this umbrella fall not only members of CHIPP, but also members of other external institutions and private company, which may mislead the interpretation of the statistics a lot. We asked CERN to clarify the entries in their database.

CHIPP Prize 2019: The 2019 CHIPP Prize winner will be announced at the Plenary meeting tomorrow. The award will be at the SPS/OPG joint Annual meeting in Zurich on Wednesday 28 August, and the talk the Thursday 29 August 14h.

SERI & Neutrino funding: SERI has provided additional funding for the infrastructure of the US neutrino program LBNF/DUNE that will be clearly identify as Swiss contribution even if provided through CERN. The contribution of Switzerland has been discussed in a meeting between CERN, SERI and Michele Weber as the CHIPP representative. It consists of dedicated cryogenic equipment manufactured in Switzerland. This has been already discussed by the Federal Council in May, and by the CERN Council in June. Tatsuya takes the opportunity to thank again SERI for this additional effort.

CTA strategy support from Swiss Institutes: There are three Swiss universities that collaborate in the CTA experiment: University of Geneva, University of Zurich and ETHZ. The University of Geneva has developed a single mirror solution for the small telescope and this option has not been adopted by the CTA technical committee. For this reason, the University of Geneva is now considering where it could make a contribution in CTA. At the same time, the University of Zurich needs to consolidate their human-power situation caused by the retirement of Ueli Straumann in order to keep their originally anticipated contribution to CTA. There is a discussion going on at the University of Zurich exploring possibilities, nothing has been decided yet. Rainer Wallny adds that ETHZ has no plan beyond to continue supporting a titular professor currently contributing to CTA. Laurent Salzarulo reports that SERI is very much involved in the discussion and is trying to facilitate the discussion between CTA and the Swiss institutions involved. The on-going change of the CTA status to an ERIC entity does not simplify the discussion, it's a very delicate moment.

DISCUSSION ITEMS

European Strategy in Particle Physics

The Chair reports about the European Strategy meeting held in Granada in May. He explains that the scientific options for the next European Strategy has been studied. From now on, it is important to take into account the sociological, financial and environmental aspects as well, as stated by Jorgen D'Hondt in his presentation. The discussion will continue also taking the requests from other areas of science in consideration. CHIPP has stated his favour toward the FCC project for its versatile scientific program and will sustain a linear collider if it materialises before the FCC. The impression perceived at the public sessions of the Granada workshop was that the European long-term future will be leading toward a pp collider at very high energy. The immediate machine to consider would be an e+e- machine with a main emphasis on the Higgs factory. How to reach this intermediate step is still controversial: circular against linear and where to build it, i.e. in Europe, in China or Japan? Lenny Rivkin adds that European Strategy Group (ESG) requested the Physics Preparatory Group to provide more information about the option of operating the FCC at lower energies with weaker bending magnets, which is a new option on the table. Anna Sfyrila asks clarifications about the High Energy LHC (HE-LHC) future, Tatsuya reports that if the High Lumi LHC (HL-LHC) shows physics anomalies then the HE-LHC will become very interesting. Otherwise it's likely that this project will be skipped to go directly to a new one, since the technological challenges to build the HE-LHC are much higher than it was foreseen.

Gregor Haefliger (SERI) adds that SERI is still very glad of the Swiss input to the Strategy, he understands that there are several options to clarify but it's clear that CERN should remain the worldwide leading research centre. An important and very positive update: The 1st July 2019 the State Secretary Hirayama and the French minister of Research, Frédérique Vidal, signed a common Swiss-French declaration in favor of setting a structure to coordinate the approach of the Host States on the future CERN projects. The document has been forwarded to the Board members via e-mail the 22 July 2019.

Swiss Roadmap Workshop 2020

Tatsuya reminds the Board that CHIPP produced its Roadmap in 2004, it has been updated but no new versions has been released. This is the time to produce a new version in view of the new European Strategy

for Particle Physics in May 2020. The EB has decided to organize a workshop to discuss the content and how to proceed in the redaction of it. All the CHIPP members are invited to participate to the two days of discussion. Since the resort in Kandersteg was very much appreciated by everybody the EB has decided to have the workshop again at the Hotel Victoria in Kandersteg the 25-26 June 2020, CHIPP will ask for SCNAT help in funding the event. CHIPP will hold the usual Board and Plenary 2020 during the SPS/CHIPP Joint annual meeting that will be held in Switzerland (Basel as a likely location).

SPS/CHIPP Round Table with Journalists, Physicists and Others

Tatsuya reports a follow-up of the Board item discussion (2019-01 / 14.1) on an article that had appeared in **Horizons magazine** in a special issue on “**Big Science**” and large research infrastructures (including CERN). These articles were very critical about the big science and large infrastructure in general. Several CHIPP members, the SCNAT and SERI express their concern about the attitude expressed in the article. The EB propose to have a round table discussion during the Swiss Physical Society meeting with journalists, physicists and policy makers to talk about what Big Science means and what its impact is. The SPS is very interested in the idea and they feel that it's an event that could be hosted as a part of the plenary session of the Annual meeting. Due to the lack of time for the organization this could be possible for next year. Andreas Schopper would like to have an idea of the interest of the CHIPP Board to report the project at the General SPS assembly. He explains that the event could be enlarged to other fields of physics and it means to start rather soon to organize it for next year's annual meeting planned in Basel as a public event.

There are several aspects to take into account:

- expose the outcome of the European Strategy of Particle physics
- evaluate well the objectives of the Round Table and the target audience
- synchronize the event with the Parliaments decision meeting to avoid conflict or “wrong” publicity

Lenny Rivkin adds that there is a similar event organized at the EPFL tonight during the World Conference of Science Journalists, [link](#). Another very interesting public event is organized by the EPFL the 10 July with Yuval Noah Harari, [link](#).

Another possibility is to organize the event in collaboration with the SPS but not during the summer Annual meeting.

The Board decides to discuss the project again in October.
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10. SPS membership for CHIPP members

Andreas Schopper explains how the conference fees for the SPS Annual meeting were set. During the years of joint SPS and CHIPP Annual meetings the fees for the CHIPP members were reduced, the years of SPS and OPG collaboration such a reduction for the CHIPP members was not been implemented. Andreas suggests having a privileged annual SPS membership fee for CHIPP members, he will discuss it at the General Assembly in August.

INFORMATION ITEMS

SCNAT funding requests:

Tatsuya presents the projects that CHIPP will support and for which CHIPP will asks support to the SCNAT this year for the 2020: Zuoz School 2020, DIALOG, IPPOG membership, Swiss Roadmap Workshop 2020, MLHEP2020: Machine Learning in HEP Summer School 2020.

Lesya Shchutka presents the project MLHEP2020: [link](#).

The Board decides to ask SCNAT for the support of 10'000.00 CHF for the MLHEP2020 school.

AGORA (SNSF) funding of Outreach project

Günther Dissertori reports about the request for the Outreach event ORIGIN a follow-up of item described at the Board 2019-01/14. The SNSF did not accept to fund this project stating that SNSF does not fund preliminary studies. In the preliminary study for the big event were also included the organisation of smaller events, but this was not seen as sufficient to get the grant. SNSF recognises the importance and feasibility of the big project, so Günther intends to organise a small team to evaluate the best strategy for requesting directly the event funding not for the pre-study. It will take a couple of years even if Günther intends to include material that has been already used during other expositions like the one in Vienna. Other funding sources like foundations and companies will be considered for funding the event together with the SNSF.

Gunther will report on the advancement of the project in a future meeting.

Astroparticle Physics International Forum (APIF)

Tatsuya asks Marc Türlér (SCNAT) to comment on the decision of SERI to stop the covering the travel costs to the APIF meetings. Marc explains that the SCNAT will provisionally cover some costs as a transition measure, but a solution should be found. Tatsuya suggests postponing the discussion at the October session of the Board. M. Bourquin will be invited to expose the situation in more details.

New professorships at CHIPP institutes: report from each institute

EPFL and PSI opened a [joint position](#), who is expected to play a major role in the CHART activities, as “Head of the Division of Large Research Facilities at PSI and Professor of Particle Accelerator Physics at EPFL”. The selection committee is working on the applications. ETHZ is evaluating the possibility to open a position on accelerator physics also connected with CHART.

Important dates to reserve:

- SPS/OPG Joint annual meeting → 26-30 August 2019
- CERN Open Days → 14-15 September 2019: Podium talks / experts (THANK YOU !!)
- Joint Seminar APPEC-ECFA- NUPPEC → 14-16 Oct. 2019, Paris
- Board meeting → 17 October 2019 (13h15) SCNAT, Bern
- PSI 2019 → 21-25 October 2019 + Satellite Workshop 25-26 October 2019
- National Media Visit → 23-24 January 2020
- RoadMap Workshop 2020 → 25-26 June 2020
- Plenary 2020 with SPS