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## Minutes of the Board meeting 2020-01 on 27 February 2020

Time of the meeting: Thursday, 27 February 2020 from 13:15 to 17:00

Place of the meeting: SCNAT, Bern

### 1. Welcome and agenda

Rainer Wallny, the CHIPP chair, welcomes the board members, the board honorary members and the observers at the board. The agenda is approved.

### ADMINISTRATIVE ITEMS

#### 2. Apologies and Proxy votes

Board members with voting rights (as of 25 February 2020): 64

Present: Beck, Braccini, Canelli, Colangelo, Golling, Hildebrandt, Isidori, Kilminster, Nakada, Schneider, Sfyrla, Shchutska, Sanchez Nieto, Wallny (Chair), Weber.

Other participants: Benelli (Admin.), Bourquin (Prof.em), K. Reymond (Obs. SERI), Rivkin (Prof. em), Schopper (SPS), Türlér (Obs. SCNAT), Sommer (Obs. SNSF)

Video conference: Bay, Baudis, Blondel (Prof. em), Dissertori, Grab, Kotlinski, Montaruli, Paus (Prof. em), Ritt, Rubbia, Seidel, Wu.

**Apologies:** Spira.

The Chair details the proxy votes announced before the meeting<sup>1</sup>.

Quorum: 21 votes (= 1/3 of the Board members; Art. 24.1 Statutes); Votes present: 15 presents + 6 proxies + 10 electronic votes = 32 → The quorum is reached.

#### 3. Minutes of the last meeting (2019-03 [October 2019])

The Chair asks for comments concerning the minutes of the previous meeting, since there are none the Chair invites the Board to approve them. The minutes are approved and will be published on the [CHIPP](#) website.

### DECISION ITEMS

#### 4. Closure of the 2019 Accounts

- **Annual Report 2019**

The Chair reminds that CHIPP, as member of SCNAT, has to deliver an annual report to this organization and that therefore the format of the CHIPP annual activity report is based on the SCNAT

<sup>1</sup> Malte Hildebrandt (for Klaus Kirch), Leysa Shchutska (for Nicola Serra), Florencia Canelli (for Danek Kotlinski), Rainer Wallny (for Günther Dissertori), Saverio Braccini (for Igor Kreslo), Michele Weber (for Antonio Ereditato)

format. The very first draft of the annual report is available on the reserved CHIPP directory, Angela asks the Board members to please check the entries of their own Institute.

- **Annual Accounts 2018**

The Chair presents briefly the main incomes and expenditures of the profit and loss statements. The incomes amount to 175'667.- CHF and the expenses to 182'899.- CHF resulting in a loss of 7'222.- CHF. This is reflected in the balance sheet by a corresponding decrease in asset from 48'951 CHF at the end of 2018 to 41'729 CHF at the end of 2019. This deficit is however less than in the approved budget of 2019. Aurelio had asked the Administration at the EPFL to check the accounts, and they were glad to report no problems. Angela and Susanne Hodler performed the accounts independently, this helped a lot for comparing the entries and the documents to be presented in the official final balance sheet of Ms. Hodler. It did also reassure of the right doing since they found the same results. The Chair notes that we should eventually make an action to have a balance since in the last years there has always been a constant deficit of around 7000 CHF. We still have sufficient reserve for the time being but it's under consideration an increase of the CHIPP membership fees of 10%, this would cover the deficit.

- **Auditor's Report**

The Chair states that the audit took place on 17 February 2020 in Bern (SCNAT) by the two auditors, Ben Kilminster (UZH) and Aurelio Bay (EPFL), in presence of Angela Benelli (admin.) and Ms. Susanne Hodler (accountant, SCNAT). He conveys the auditor's judgement that the statements fairly represent the financial position of CHIPP and that have been prepared with care. The Chair asks the audience for questions. As there are none, he invites the Board to approve the Annual Report 2019 (with the understanding that all the necessary modifications and insertion of missing information will be done before the end of March 2020) and to follow the positive recommendation of the auditors by approving the Annual Accounts 2019.

The Board unanimously

- approves the CHIPP Annual Report 2019 to be made publicly accessible on the CHIPP website;
- approves the annual accounts, the balance sheet, and the profit and loss statement for 2019;
- formally discharges the CHIPP EB and the CHIPP administration for the year 2019, expressing at the same time its thanks and appreciation for the careful accounting.

→ Admin.: to make the report accessible and to provide the accounts to SCNAT

For what concerns the CHIPP accounting, Rainer reports about his enquiry to CERN (M. Steinacher) to pay the Institute and Membership Fees to CHIPP. For the moment the answer from CERN is negative.

CHIPP thanks Aurelio Bay for his precious service as Auditors for many years. The Board sends him a round of applause.

## **DISCUSSION ITEMS**

### **1. Updates on the European Strategy in Particle Physics**

Tatsuya Nakada as the Swiss representative at the European Strategy Group, was invited to update the Board of the outcome of the European Strategy in Particle Physics meeting in Bad Honnef. Since the Secretariat of the EPPSU has requested full confidentiality about the outcome document till the CERN Council will have approved it, there is nothing to report about this item. The discussion will be possible only after the CERN Council will approve the document, this could happen in the March Council meeting at CERN or in the May meeting in Budapest.

There is a discussion about the reasons of the postponing of the publishing of the document after the meeting in Bad Honnef. The procedure is different from what happened 7 years ago, at the end of the ESG meeting it was decided by the Council President Ursula Bassler that complete confidentiality needed to be kept since it is a Council document and it needs to be discussed and accepted first by the Council in March. This measure is seen by some board member as a lack of trust and transparency, on other hand this has been openly planned since long time.

As soon as the document will be made available CHIPP will communicate the content to the community

and, if necessary, an extraordinary meeting can be scheduled before next Board in June<sup>2</sup>.

Angela → Add this item in the Board agenda in June.

## 2. FLARE Tables

Rainer presents the first look of the outcome of the data collected from the experiment PIs for the next round of FLARE requests with deadline in November 2020. The data quality is still not final, CTA and DUNE have still uncertainties about the funding requests and the FTEs involved in the experiments. The T2K Table contains also the HyperK experiment requests for 2023-2024. In addition, the “Other funding” available to the experiment is still largely not updated by many experiments.

The data and plots are presented, but they are still only at a level to start the discussion. We have considered the year 2021 as the base year to calculate the FTEs since it is the starting year of the next funding period. The FTE should conserve unitarity, thus no more than 100% time allocated for research (teaching & administration duties are not considered in the FLARE tables). Only CHIPP members should be counted in the FTE columns. For example, in CTA the FTEs for professors contains also CHAPS professors. As a test we could compare FTE with number of heads. The CHIPP EB will be in touch with Teresa Montaruli and propose a solution.

The requests are presented, for the past periods: 2013-2016, 2017-2020 and for the next periods 2021-2024, 2025-2028. The requests normalized by the number of Prof. + Senior staff FTEs are shown, the requested normalized by the full FTEs (Prof+Senior+PostDoc+PhD+Technical staff) are presented. The period 2025-2028 has still very few and imprecise numbers.

Plots of granted and requested funds as function of time for projects divided according to CHIPP priorities are shown, the priorities were defined in 2016 and no updates have been done since. Priority 1 (“uncuttable”) consists of the M&O funds and Computing for LHC. The SNSF steering committee (Lenkungsausschuss FLARE) requested in the past that CHIPP flag the project with a priority in order to allocate the funds, now the SNSF steering committee decides alone asking CHIPP to only present a general view on the projects. On the occasion of the CHIPP Roadmap 2020 the priorities should be discussed and updated, i.e. every CHIPP pillar should flag in their White Papers which are the projects to be highlight. There is the suggestion to make a plot of requested and granted funds using other criteria, like the Swiss visibility, research outputs and applications.

Rainer states that in the future the resource requested by the LHC computing Tier-2 will very likely increase due to important hardware changes and due to the higher quantity of data to be analyzed from the upgraded LHC experiments. A part of the increase should be subject to peer review, i.e. not treated as “uncuttable”.

Ben Kilminster points out that what is missing in the tables are the future experiments on which the CHIPP community will start to work. For the moment there is an FCC table that is only for accelerator with zero funding requests associated (substantial funding was provided via CHART). Rainer explains that special funds were made available from SERI directly to CTA and DUNE infrastructures, this should be shown in the “Other funding” part of the tables.

R&D projects are for the moment connected to the LHC experiments (ATLAS, CMS, LHCb) but in the future they could be standalone and independent projects. How to insert them into the FLARE scheme not being under an approved experiment has to be studied carefully. A proposal is to submit an R&D common national effort not connected to any specific experiment, as a “beyond LHC R&D FLARE”. Technically we have also to take into account that the SNSF requires that the PIs should have an associated SNF project. After the ESPPU will be made public CHIPP could start this discussion internally and with the SNF<sup>3</sup>.

The plots of the granted funds for the past are shown, the total amount granted for 2017-2020 was 32.0 MCHF (26.3 CHIPP and 5.7 CHAPS) for the next period 2021-2024 SERI has just confirmed us that there a submitted request to the parliament of 43.6 MCHF, [link](#). The CHIPP Board will discuss again at the meeting in June and the FLARE Table should be updated by the 31 May 2020 (strong deadline).

## 3. Swiss Roadmap Workshop 2020

The Chairman recalls in the slides that there are several reasons for updating the Swiss Roadmap for Particle Physics, first of all to inform our stakeholders of our wishes and needs, to be able to secure funding. The full Board should contribute to this effort. SCNAT received the mandate from SERI to organize the process of collecting and harmonizing the inputs from different science branches. Therefore, CHIPP has the support of the SCNAT for this job, a common layout will be provided by Marc Türlér soon. The

<sup>2</sup> Due to COVID-19, the board planned in June has now been moved to 27 August.

<sup>3</sup> SERI has started a discussion to instruct SNSF how to implement the 2020 FLARE Call. The heads of CHIPP and CHAPS were asked to give their opinion. We will report at the next CHIPP Board Meeting.

goal is to have it ready by the end of 2020. CHIPP has already a lot of material available, the Pillar 1 White Paper was compiled last year, and everybody contributed to the Input to the Strategy at the end of 2018. Pillar 2 and 3 should take this opportunity to update their White Papers and highlight their main projects and long-term plans.

The Editorial Team proposed by the CHIPP EB is composed of the EB members and SWICH workshop coordinators and individuals:

- Anna Sfyrta (high and low energy frontier pillar 1)
- Gino Isidori (theory)
- Günther Dissertori (tech transfer)
- Katharina Müller (outreach and education)
- Michele Weber (neutrino pillar 2)
- Mike Seidel / Lenny Rivkin (accelerator)
- Ruth Durrer (astroparticle pillar 3)
- Rainer Wallny (general structure, main editor, organizational lead)
- Angela Benelli (secretary)

The main idea is that the editorial team members have the mandate to act as nexus to the CHIPP board community to edit the submitted text and to help co-ordinate and convene the Kandersteg workshop groups. The Workshop format will be similar to the 2nd SWICH workshop where only board members and senior scientists are invited, the workshop registration will open at the beginning of April.

The Chairman invites the board to approve the roadmap update process with the aim to produce a roadmap by end of 2020 and to endorse the composition of the editorial team and their mandate.

The Board agrees unanimously to approve the roadmap process and to endorse the composition of the editorial team and their mandate.

#### **4. Astroparticle Physics International Forum (APIF)**

The Chair presents the case of APIF to the Board: SERI does not intend to continue supporting APIF, the SCNAT has been asked to find a solution for travel support to Maurice Bourquin, the Swiss representative in APIF. The Board recognizes the importance to continue to have a Swiss representative in APIF. UniGE is willing to provide the support to Maurice Bourquin for his travels to the two APIF meetings/year. The CHIPP Board asks Maurice to provide a report to the Plenary meeting once a year and in case of important information exchanged in the APIF network, he is asked to communicate it to the CHIPP community.

#### **5. CHIPP Tasks & Functions**

Several CHIPP functions and positions needs to be filled or renewed this summer:

- Saverio Braccini expresses his will to stand for election as CHIPP Auditor, the Board agrees unanimously.
- The EB appointed Anna Sfyrta as the PI for the M&O CHIPP FLARE request, the Board agrees unanimously.
- Gino Isidori has expressed his will to continue as EB members (Jan 2021-Dec 2022) for his second term, the Board agrees unanimously.
- Michele Weber has expressed his will to continue as EB members (Jan 2021-Dec 2022) for his third term. The Board decides that since it would be his third term, it is fair to ask for nomination for this position to allow other CHIPP members to participate to the EB. The EB and Board fully support Michele nomination. CHIPP will ask for additional nominations.
- Angela Benelli expresses his will to stand for election as Swiss Representative in EPPCN, the Board agrees unanimously.
- Gilberto Colangelo has expressed his will to continue as Swiss ECT\* representative (Aug 2020-Aug 2022), the Board agrees unanimously.
- Danek Kotlinski cannot continue as Swiss ACCU representative (Sep 2020-Dec 2022), CHIPP will ask for nomination.
- SERI has asked the CHIPP chair to continue to participate on the financial forum of HyperK, the Board is informed about this.
- SERI / SNF ask for representative for DUNE RRB as a successor of Antonio Ereditato. The Board decided unanimously to establish that the CHIPP Chair will be the default representative of SERI for DUNE RRB, in case of a conflict one of the EB vice-chair will take his place.

## INFORMATION ITEMS

### 6. New professorships at CHIPP institutes: report from each institute

- **PSI/EPFL:** Mike Seidel has been appointed as Full Professor of Physics
- **Zurich University:** Lea Caminada as SNSF Eccellenza Assistant Professor
- **ETHZ: Annapaola de Cosa** as SNSF Eccellenza Assistant Professor
- **Geneva University: Andrii TYKHONOV** as Assistant Professor DPNC under ERC Starting Grant
- **Bern University: Martin Hoferichter** as SNSF Eccellenza Assistant Professor in theoretical physics

### 7. SPS/OPG joint annual meeting 2020 at the University of Fribourg

The organization of the talks and Round table is progressing, it's foreseen a theory talk by David E. Kaplan (Johns Hopkins University Baltimore) "*A Global View on Particle Physics*". An experimental talk should follow explaining the different options (ILC, FCC, CLIC ..) and the physics potential associated with each of them, the title could be "*European ambition in a global prospective*". Then Jorgen D'Hondt (Vrije Universiteit Brussel, *Strategy Secretariat Member*) has kindly accepted to present the ESPPU process and conclusions. The session will end with a period of open discussion and a "questions and answers" time. Due to the Covid-19 Crisis, the joint meeting was cancelled.

### 8. A.O.B.

#### CHIPP prize announcement

The CHIPP prize 2020 is announced and the call is [online](#) on the [chipp.ch](http://chipp.ch) website.