



# **Welcome to the Hotel Victoria, Kandersteg, for the 2019 CHIPP Plenary Session**

# AGENDA

Time of the meeting: Tuesday, 3 july 2019, 9:00 – 16:00

Indico link: <https://indico.cern.ch/event/784774/timetable/#20190701.detailed>

- |  |                              |
|--|------------------------------|
| <b>1. Welcome, news from CHIPP Board and Executive Board</b>   | Tatsuya Nakada               |
| <b>2. Admission of new CHIPP Honorary Members</b>  | Tatsuya Nakada               |
| <b>3. Election of the Swiss Plenary-ECFA representative</b>  |                              |
| <b>4. CERN Council report</b>  | O. Schneider & G. Dissertori |
| <b>5. Advisory Committee of CERN Users (ACCU) report</b>   | Bodhan Kotlinski             |
| <b>6. European Committee for Future Accelerators (ECFA) report</b>                                   | M. Seidel                    |
| <b>7. Astroparticle Physics European Consortium (APPEC) report</b>                                   | Xin Wu for Teresa Montaruli  |
| <b>8. Nuclear Physics European Collaboration Committee (NuPECC) report</b>                           | Berndt Krusche               |
| <b>9. European Centre for Theoretical Studies in Nuclear Physics and Related Areas (ECT*) report</b> | Gilberto Colangelo           |
| <b>10. CHIPP Outreach report</b>   | Katharina Müller             |
| <b>11. Computing CHIPP</b>   | Mauro Donega                 |

# Elections held at the Board:

**EB members:** Michele Weber (U. Bern), Gino Isidori (U. Zurich),  
**Rainer Wallny (ETHZ), Anna Sfyrla (U. Geneva)**

**APPEC:** **Xin Wu** (U. Geneva)

**IPPOG:** **Katharina Müller** (U. Zurich)

**CSR:** **Xin Wu** (U. Geneva)

**Honorary member:** **L. Rivkin** (PSI & EPFL)

**Swiss Plenary-ECFA:** **Domenico della Volpe** (U. Geneva)

**ACCU delegate, CHIPP auditor : volunteer for next year ?**

# CHIPP Executive Board

## Composition in 2019:

- **Tatsuya Nakada** (EPFL), Chair, elected for 2<sup>st</sup> term until **Dec 2019**
- **Michele Weber** (Uni. BE), 2<sup>st</sup> term until Dec 2020
- **Gino Isidori** (Uni. Zh), 1<sup>st</sup> term until Dec 2020
- **Günther Dissertori** (ETHZ), elected 2<sup>st</sup> term until **Dec 2019**

## Composition in 2020:

- **Rainer Wallny** (ETHZ), elected for 2<sup>nd</sup> term until **Dec 2021**  
Chair elected for 1<sup>st</sup> term until **Dec 2021**
- **Michele Weber** (Uni. BE), 2<sup>st</sup> term until Dec 2020
- **Gino Isidori** (Uni. Zh), 1<sup>st</sup> term until Dec 2020
- **Anna Sfyrla** (Uni. Ge), elected 1<sup>st</sup> term until **Dec 2021**



# Decisions since the last Plenary

- **September-December 2018**  
Preparation of the document  
containing the main decisions  
taken at the SWITCH  
Workshops regarding the  
European Particle Physics  
Strategy Update

2018 | Nachschlagewerk | Positionspapier | Stellungnahme | Tagungsbericht

## Swiss input for the discussion on the European Strategy for Particle Physics


Swiss Institute for Particle Physics (CHIPP) published the 18 December 2018



In the first workshop in April, the status of the field was reviewed and discussed. The CHIPP input for the discussion of the ESPP update was then agreed during the second workshop held in September. This document describes the CHIPP position on the ESPP update focused on the scientific issues.

The final document could find [here](#).

Autoren: CHIPP  
Seitenangabe: 4

 [Swiss input for the discussion on the European Strategy for Particle Physics](#)

**High-energy frontier physics:** Full exploitation of the LHC should remain as the first priority for the European particle physics program, in parallel with an intensified R&D and design effort to realize the next large project at CERN in the future, namely FCC.

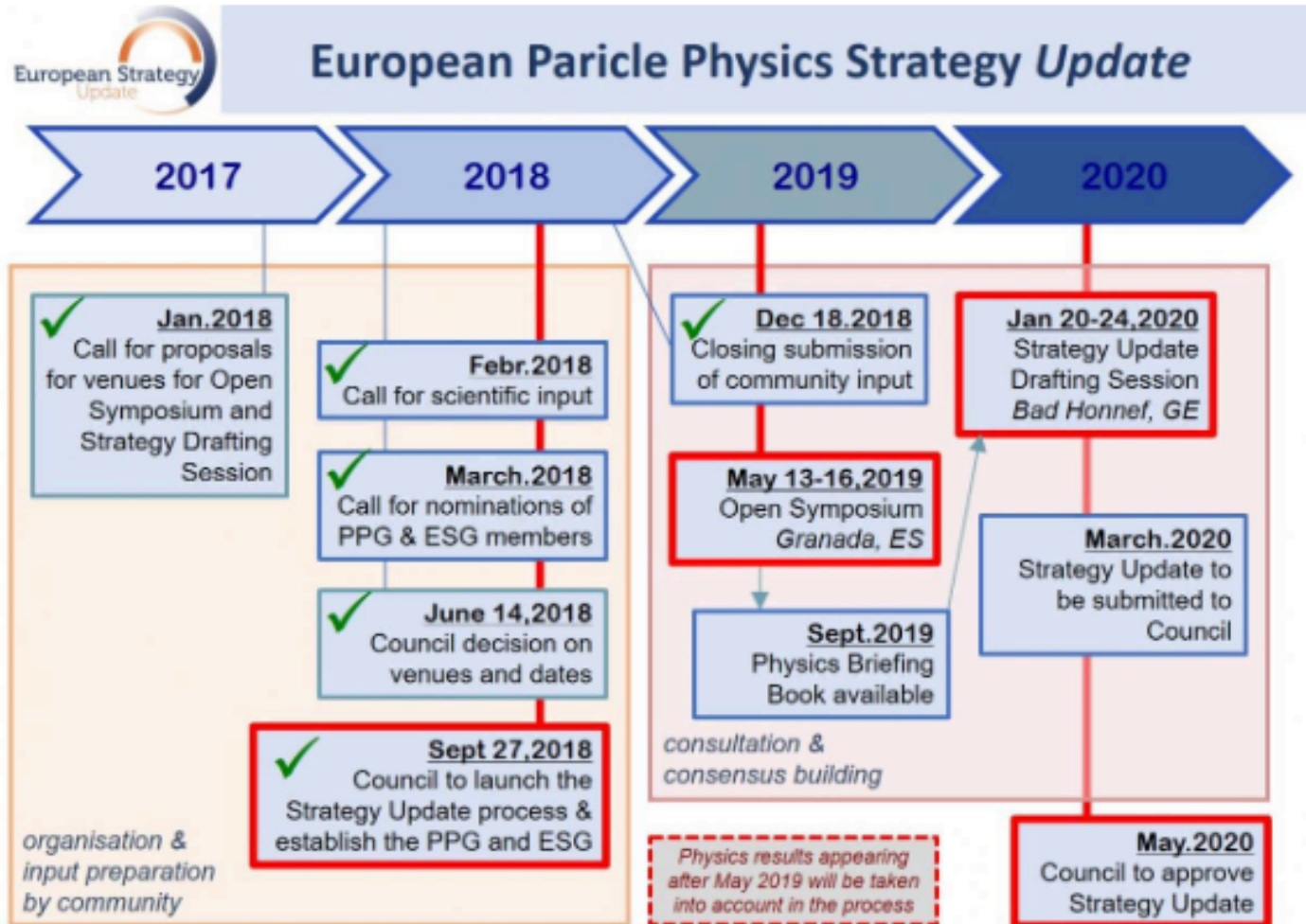
**Neutrino physics:** CERN should envisage a long-term support for the neutrino platform ensuring a substantial European participation in long-baseline neutrino projects worldwide to continue.

**High intensity facilities:** Continuation of precision physics with facilities at national laboratories, such as PSI, must be strongly encouraged: HiMB (High-intensity Muon Beam facility) as well as ultra-cold neutrons. The Swiss community considers a beam dump facility with the SPS beam particularly interesting.

**Astroparticle physics:** CERN should explore contributing to well selected astroparticle physics experiments where CERN participation can make a unique contribution.

**Theoretical physics:** A strong and diverse theoretical physics program should be fully supported on the European scale.

**Instrumentation and computing:** Particle physics should remain the driving force in the development of those areas.



Timeline of the present European Strategy Update process with the green checkmarks symbolising the completed stages.

# October 2019: CHIPP activities and Budget 2019

The main activities for the year 2019 were discussed at the Board:

- PhD Winter School
- PSI Workshop
- CHIPP Plenary meeting during summer 2019.

CHIPP will continue its engagement on the SCNAT web portal, publishing news, articles and events of interest for the physics community thanks to the collaboration with Benedikt Vogel.



The Board unanimously:  
Approves the CHIPP activities for 2019,  
Approves the CHIPP budget 2019 as resulting from the activities, and  
Approves the 2019 membership fees for individual members and for institutions.

## **October 2019: CHIPP Computing Steering Board**

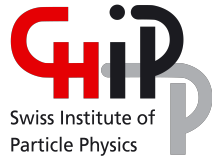
The Board approves the decision to have Mauro Donega (ETHZ) as Computing PI.

**DoE-FNAL visit to SERI Bern: 8 November 2018.**

The CHIPP Chair was asked to present the Neutrino Activities in Switzerland.

# October 2019-January 2019

The CHIPP Chair after collecting the inputs from the FLARE PIs and with the approval of the CHIPP Board presented the FLARE summary table at the FLARE panel meeting. The discussion mainly focused on the 2019-2020 requests. The Chair has been asked by the FLARE panel to give a CHIPP priority for the funding: LHC M&O and computing is indicated as the top priority.



Particle/Astroparticle Physics Activities  
by the CHIPP members  
Presentation to the FLARE panel  
Bern, 29 January 2018

Tatsuya NAKADA  
CHIPP Chair





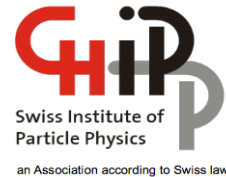
# February 2019

The CHIPP Board approve:

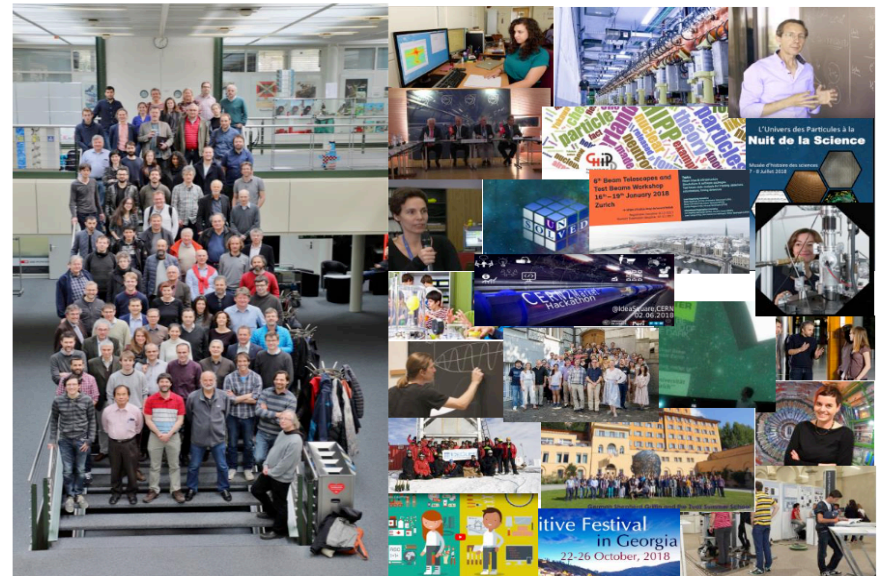
- The CHIPP Annual Report 2018
- February 2019: Annual Accounts 2018

» The Board following the positive recommendation of the auditors

- **approve** the Annual Accounts, the Balance Sheet and the Profit and Loss Statement for the year 2018;
- **formally discharge** the CHIPP EB and the CHIPP Administration for the year 2018, expressing at the same time its thanks and appreciation for the careful accounting.




## Annual Report 2018



CHIPP Plenary Session 2019, Hote

Please note we need the updated number of  
Student/PostDoc/Researcher/Prof  
for the Computing LHC requests

Swiss Institute of Particle Physics (CHIPP)

Das Swiss Institute of Particle Physics CHIPP ist die Dachorganisation der Schweizer Forschenden auf dem Gebiet der Teilchen-, Astroteilchen- und Kernphysik. Zu den Aufgaben von CHIPP gehören die Koordination und Unterstützung von Schweizer Beteiligungen an internationalen Projekten und in internationalen Gremien, die Koordination der nationalen Forschungs- und Ausbildungsbestrebungen, sowie die Öffentlichkeitsarbeit.

This is achieved by keeping a continuous dialogue between the particle physicists of different cantonal universities and federal institutes. CHIPP is recognized as the representative of Swiss particle physics both nationally and internationally. It awards yearly a Prize to a PhD student supports workshops and conferences, organises PhD schools, and develops outreach projects

**Particle physics news**  
more

Veranstaltungen, Meldungen, Publikationen

01.02.2019 | CHIPP | Meldung  
**Astroparticle Physics European Consortium (APPEC) elects the new Scientific Advisory Committee Chair**

Organisation durchsuchen:

Anzeigen

Kontakt

CHIPP  
c/o Prof. Dr. Tatsuya  
Nakada

Log in

Mitgliederdatenbank  
Swiss Institute of Particle Physics (CHIPP)

Chipp Board All

Quick search

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# AGORA proposal: ORIGIN – a situation analysis

- **2016-2017: Exhibition in the “Naturhistorisches Museum Wien”**
  - “Wie alles began” - 400'000 (!) visitors, over a period of ~10 months
  - HEPHY Vienna, art@CMS – Michael Hoch
  - Similar events in Canada, and soon in Hamburg
- **Why not organize a similar major exhibition in Switzerland?**
  - Could re-use existing material and profit from expertise of the ORIGIN network
  - Established contacts with M. Hoch and Furler Productions (M. Furler, B. Lautenbach)
  - CHIPP EB invited to investigate further → together with K. Müller, HP Beck, M. Hoch, Furler Productions a “rolling call AGORA proposal” was prepared and handed in recently
- **Strategy:**
  - With the current small-scale AGORA proposal: fund the efforts by Furler Productions to carry out a detailed situation analysis (needs, public, locations etc) – in addition, collect input from the public at 3 coming outreach events (MasterClasses, Tun.Zuerich, Scientifica)
  - If situation analysis positive: go for bigger funding, including a regular AGORA proposal, in order to have such an event in ~2021
  - Also: recently had a first discussion with leadership of Landesmuseum Zuerich

# Other decisions since the last Plenary

February 2019:

The Board decides to decouple the CHIPP Chair position from the Swiss representative at the European Strategy Group.

The Board decides that Tatsuya Nakada continues to be the Swiss representative at the European Strategy Group.

# Admission of new honorary members (1)

- Honorary Membership is open to CHIPP Members that have retired from their active professional life or have acquired the status of Professor emeritus.
- Honorary Members benefit from the same rights, except for voting right, and pay no membership fee.
- The admission of Honorary Members belongs to the CHIPP Plenary, based on a recommendation by the Board.
- There are two categories:
  - A: Honorary Board Member,
  - B: Honorary Plenary Member.

## Admission of new honorary members (2)

- The following new requests have been received by the Chair:  
Honorary **Board** Member:
  - **Prof. Lenny Rivkin** (PSI & EPFL)

### **The Plenary is invited**

- **to take note** of the recommendation of the Board regarding the admission by the end of 2019 of the person listed above as Honorary Board Members;
- **to approve** their admission as Honorary Members by the end of 2019.

Base: Article 19.3, litt. f; simple majority

# Election for a Plenary ECFA representative

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 until Dec 2021, 1<sup>st</sup> term
  - **Frederic Blanc** (EPFL), Plenary ECFA member until Dec 2021, 1<sup>st</sup> term
  - **Domenico della Volpe** (Uni. GE), Plenary ECFA member until Dec 2019, 1<sup>st</sup> term
  - **Andreas Knecht** (PSI), Plenary ECFA member until Dec 2021, 2<sup>nd</sup> term

# Election of a Swiss representative in the Plenary ECFA

- **Domenico della Volpe** (Uni. GE) is ready to serve for another term and stands for election.

## On recommendation by the Board, the Plenary is invited

- to re-elect **Domenico della Volpe** (Uni. GE) as Plenary ECFA representative for a 2<sup>nd</sup> three-year term (Jan. 2020 – Dec. 2022)

Base: Article 19.3, litt. e; simple majority

# CHIPP PRIZE 2019

- **Gino Isidori & Tatsuya Nakada**

**Michal Rawlik has given two very original and relevant contribution to the nEDM experiment at PSI.**

**He developed a new system to actively compensate for changes in the magnetic field inside the apparatus due to changes in the external environmental conditions of the magnetic field. In this technical work, he developed a new successful strategy that has been endorsed not only by the nEDM experiment at the PSI, but also by two other competing experiments. On the other hand, he pioneered the first search of an oscillating nEDM that would be brought about by the presence of a coherent axion field.**

**The analysis he carried out in the PSI experiment was the first ever analysis of this type in the history of EDM experiments. It represents a truly outstanding result, that has received (and it is still receiving) a lot of attention in the scientific community.**

**Talk at the SPS/OPG joint Annual meeting:**

**Thursday 29 August 14h (U. Zurich)**

# CERN Council report

- **O. Schneider & G. Dissertori**



# ACCU Report

- **B. Kotlinski & M.Dittmar**

# ECFA Report

- **M. Seidel**

# APPEC report

- **Xin Wu for Teresa Montaruli**

# NuPEC report

- **Bernd Krusche (nothing to report)**

# ECT\* Report

- **T. Nakada for G. Colangelo**

1. CG was invited to the meeting of the financial board, but were not able to participate (sabbatical in Orsay);
2. The program of this year's workshops is diverse and has a very good overlap with CHIPP activities - it goes well beyond just hadronic physics. The list is here: <http://www.ectstar.eu/this-year/activities/taxonomy/term/21>
3. Direct involvement of Swiss people:
  - we have applied for a collaboration meeting (FLAG) in Trento and were given a slot in November 2019;
  - the doctoral school this summer is on effective field theories, which is a popular topic, and 2 students from Bern + 1 from PSI are participating;
  - Possibly there is more, but I don't have statistics about Swiss participation to the workshops.

# Outreach report

- **Katharina Müller**

# CHIPP Computing Board Report

- **M. Donega**