

CHIPP Board meeting

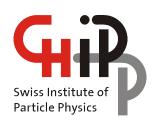
Welcome to the:

New Board members:

- Board members
- Honorary Board members
- Observers at the Board

Valentina Gallo attends as SNSF observer

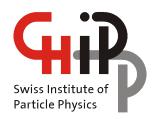
Kevin Reymond attends as SERI observer



Agenda item 1: Agenda

- The final Agenda has been distributed on Tuesday 8 October 2019
- All documents have been made available on a confidential CHIPP internet page.

Agenda approved?



AGENDA

DECISION ITEMS

4. CHIPP activities and Budget 2020 [Tatsuya Nakada]

DISCUSSION ITEMS

5. Updates on the European Strategy in Particle Physics [TN]

for discussion

6. APPEC Report [Xin Wu]

for discussion

7. Astroparticle Physics International Forum (APIF) [TN]

for discussion

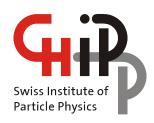
INFORMATION ITEMS

8. SPS/CHIPP joint annual meeting 2020 at the University of Fribourg [Andreas Schopper]

9. Swiss Roadmap Workshop 2020 [TN]

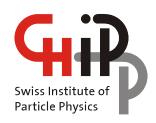
10. New professorships at CHIPP institutes: report from each institute

11. A.O.B.



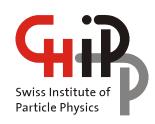
Agenda item 2: Proxy Votes

- The following Proxies have been designated:
- Klaus Kirch (for Malte Hildebrandt)
- Olivier Schneider (for Lesya Shchutska)
- Ben Kilminster (for Bodhan Kotlinski)



Agenda item 2: Apologies & Quorum

- The following apologies have been received:
- L. Baudis, B. Krusche, M. Weber, B. Kotlinski, A. Signer
- Board members with voting rights: 64
- Quorum (1/3 of Board): 21 votes, reached?
 - 3 proxy
 - 1 electronic vote Budget & Activities 2020
 - 1 video-conference



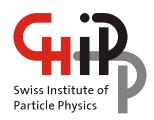
Agenda item 3: Minutes of the last meeting

Final draft minutes of the CHIPP Board 2019-02 (02.07.2019)
have been made available on www.chipp.ch together with the
other Board documents.

The Board is invited

to approve the minutes of the last meeting

Base: Art. 27, litt. a; simple majority



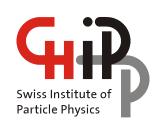
Agenda item 4: CHIPP activities and Budget 2020

The specific CHIPP activities for 2020 are:

- The Zuoz Summer PhD School (financial support)
- The CHIPP Annual Plenary as part of the SPS/CHIPP Annual meeting (organization, program and active participation)
- The MLHEP 2020 School (financial support)
- The RoadMap 2020 Workshop (organization, program and active participation)

The CHIPP outreach activities:

- The dialogue with the society through the SCNAT thematic portal on particle physics
- The CHIPP membership in IPPOG (outreach strategy and activities)
- Possibly other targeted outreach activities as the maintenance of the CHIPP Twitter account.



SCNAT funding requests

Presentation for information PRELIMINARY To be confirmed the 14 November

We submitted the requests for funding the 20 August:

	Requested (CHF)	Granted (CHF)
Zuoz School 2020	10'000	9'000
MLHEP2020	9'400	8'000
IPPOG membership	3'500	3'500
Dialog with society	10'000	9'000
Swiss Roadmap Workshop 2020	10'000	5'000



Zuoz Summer School 9-15 August 2020



Vision and Precision

https://www.psi.ch/particle-zuoz-school Registration will open in November Nicolas Berger (Annecy)

Statistics

Jamie Boyd (CERN)

From raw data to physics

Vincenzo Cirigliano (Los Alamos)

EFT and low-energy probes of new physics

Barbara Jäger (Tübingen)

Perturbative (QCD) calculations

Angela Papa (Pisa/PSI)

Low-energy experiments

Renato Renner (ETH)

Foundations of quantum mechanics

Andrea Wulzer (Padova)

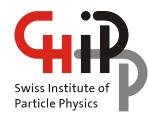
The big questions

Program Committee:

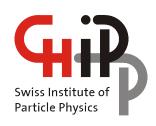
A.Bay, G.Dissertori, G.Iacobucci, G.Isidori, K.Kirch, U.Langenegger, R.Rattazzi, N.Serra, A.Sfyrla, A.Signer, M.Spira, R.Wallny, M.Weber









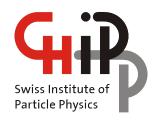


MLHEP: Machine Learning in High Energy Physics Summer School

The school is initiated and maintained by Yandex School of Data Analysis: full LHCb member and lightweight CMS member.

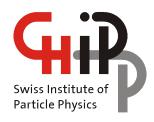
Previous iterations of the school:

- 1 https://indico.cern.ch/event/439520/: St Petersburg, Russia, LHCP2015
- 2 https://indico.cern.ch/event/497368/: Lund, Sweden, LHCP2016
- 3 https://indico.cern.ch/event/613571/: Reading, UK
- 4 https://indico.cern.ch/event/687473/: Oxford, UK
- 5 https://indico.cern.ch/event/768915/: DESY, Germany
- 6 https://indico.cern.ch/event/838377/: Lausanne, Switzerland
 - page is not public yet



School scope

- school motivation:
 - "There are plenty of essential problems in high energy physics that can be solved using Machine Learning methods. These vary from online data filtering and reconstruction to offline data analysis."
- content:
 - a theoretical and practical introduction to ML methods
 - concrete examples and hands-on tutorials
 - a special data-science competition with a winner at the end
 - goal: application of the new knowledge to participants' own problems
- target audience: PhD students and postdocs, Master students possible
- typical size: 60-70 participants
- speakers:
 - "core" speakers are from Yandex
 - 2-3 "invited" speakers from HEP and industry for topical presentations
- duration: 7-10 days



Organizers and advisory board

https://indico.cern.ch/event/768915/page/15157-committees

Organising Committee

Irina Plisetskaya (HSE, Russia) Andrey Ustyuzhanin (YSDA, HSE, Russia)

Program Committee

Denis Derkach (YSDA, HSE) Nikita Kazeev (YSDA, HSE) Alexander Panin (YSDA, Yandex) Andrey Ustyuzhanin (YSDA, HSE)

Advisory Board

Andrey Golutvin (Imperial College London, UK)

Daniel Whiteson (UCI, US)

Kyle Cranmer (NYU, US)

David Rousseau (LAL, France)

Vincenzo Vagnoni (INFI, Italy)

Victor Egorychev (ITEP, Russia)

Tommaso Dorigo (INFN, Italy)

Maurizio Pierini (CERN)

Marcin Chrząszcz (UZH, Switzerland)

Guenakh Mitselmakher (UFL, US)

Sergey Gleyzer (UFL, US)

Tobias Golling (UNIGE, Switzerland)

Jean-Roch Vlimant (California Institute of Technology, US)

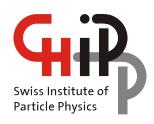
Vladimir Gligorov (LPNHE, France)

Mike Williams (MIT, US)

Tim Head (Wild Tree Technologies, Switzerland)

Alexei Klimentov (BNL, US & NRC "Kurchatov Institute", Russia)

4/8

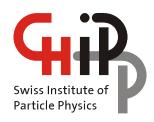


MLHEP2020 @ **EPFL**: Organizational matters

• venue: Cubotron building



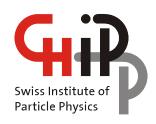
- school dates: 16 30 July 2020
- includes two week-ends
- the duration is driven by accommodation booking quantization (min. 2 weeks)
- lunches / coffee-breaks: UNIL and EPFL cafeteria and catering
- accommodation: prebooked 60 rooms in Vortex @ 450–600 CHF (final confirmation/price possible only in February)
- preliminary registration fee: 380 CHF (coffee-breaks & social events)
- submitted a proposal to SCNAT for 9.4kCHF



Vortex

• Vortex: being built for Youth Olympic Games in January 2020





Advertisement of the school within CHIPP

- typically a (pre-)registration is open in January-February due to the long selection process
- at EPFL, will also attach ECTS credits for the doctoral school: can be considered for other universities as well
- hope to have high Swiss participation and benefit from the convenient location and timing!



Dialog - 2019 articles



10.01.2019 | CHIPP | News | Press release

The FCC provides science for almost a century

In spring 2020 the European particle physics community will decide on a new European Strategy highlighting the strategic long-term goals in this important field of fundamental research. In December 2018 Swiss scientists – organized by the Swiss Institute of Particle Physics / CHIPP – have formulated their input to the...



28.02.2019 | CHIPP | News | Press release

Anna Soter Wants to use Exotic Atoms for a Subtle Experiment

Gravity accompanies us in our everyday lives—from early morning, when we get out of bed, to late evening, when we drop tiredly onto the mattress. Although no other force of nature shapes our lives as much as gravity, we still know little about it. Many scientists around the world are working to uncover the secrets of gravity. One of...



21.03.2019 | CHIPP | News | Press release

The LHCb collaboration at CERN has discovered a type of CP violation unobserved so far

The LHCb collaboration at CERN has seen, for the first time, the matter—antimatter asymmetry known as CP violation in a so-called D0 meson. LHCb is one of the four large experiments performed at the Large Hadron Collider (LHC) with Swiss participation of Ecole polytechnique fédérale de Lausanne...



12.04.2019 | CHIPP | News | Press release

The Innovation Park "PARK INNOVAARE" in Villigen (AG) supports start-up companies in the field of accelerator technology.

CERN in Geneva is the leading particle physics laboratory worldwide. Large particle accelerators based on the most innovative technologies are used there for fundamental research. One year ago, the innovation park "PARK INNOVAARE" in Villigen (AG) launched, together with CERN, the BIC of...



03.05.2019 | CHIPP | News | Press release

Every second fifty terabits of data

From 2026, the performance of the large-scale experiments at the European particle physics laboratory, CERN, in Geneva will be significantly increased. The preliminary work for the upgrade of the large particle accelerator LHC and the associated detectors is currently in full swing. An important contribution...



21.05.2019 | News | Press release

The XENON1T experiment in the Italian Gran Sasso Laboratory has measured the most protracted radioactive decay ever

Radioactive waste from nuclear power plants can take a long time to decay. For plutonium-239 the half-life - that is the time until half of the atoms of a sample have decayed - is no less than 24,000 years. But this is nothing compared to the half-life of the noble gas xenon-124, as an international research...



28.08.2019 | CHIPP | News | Press release

CHIPP Prize 2019 goes to PSI researcher Dr. Michał Rawlik

Michał Rawlik, scientist at the Swiss Federal Institute of Technology in Zurich (ETHZ) is awarded the CHIPP Prize 2019. The 29-year-old researcher receives the award for his doctoral thesis on the electric dipole moment of the neutron. The experiment he co-developed could one day help answer the...

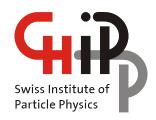


24.09.2019 | CHIPP | News | Press release

Callum Wilkinson prepares the DUNE experiment at the University of Bern

In 2025, the 'Deep Underground Neutrino Experiment' (DUNE) will be launched in the north of the USA, with which physicists want to learn more about neutrino - a still mysterious elementary particle. An important component of the DUNE experiment is currently being prepared by scientists from the...

And more to come ...



	Budget	l	Budget	Budget	Budget	Finan	cial P
	(final)			updates			
EXPENDITURE	2018		2019	2019	2020	2021	2022
Total expenses	140'573		140'700	130'274	145'830	149'200	149'200
Membership fees	6'784		7'000	6'636	7'000	6'800	6'800
Membership in SCNAT	3'206		3'500	3'136	3'500	3'500	3'500
Membership in IPPOG	3'578	L	3'500	3'500	3'500	3'300	3'300
Schools & Conferences	22'504		17'700	14'924	26'430	24'000	24'000
CHIPP PhD School (parts from SCNAT)			12'700	9'924		12'000	12'000
PhD/PostDocs days							
Zuoz	10'000	L			11'000		
Workshop (SWICH/Roadmap)	12'504				6'000	12'000	12'000
PSI 2019 / MLHEP2020			5'000	5'000	9'430		
reserve	0	L	0	0	0	0	0
Communication & Outreach	32'000	L	30'000			31'000	31'000
PPCN member (parts from SERI & CERN)	20'000	L	20'000	20'000	20'000	20'000	20'000
Dialogue (parts from SCNAT)	12'000		9'000	9'000	9'000	10'000	10'000
copies/mail/phone		L	1'000	0	1'000	1'000	1'000
CHIPP Prize	3'000		4'500			4'500	4'500
Prize money		L	3'000	3'000	3'000	3'000	3'000
travel expenses		L	1'500	0	1'500	1'500	1'500
CHIPP Meetings	966		2'000		2'000		2'000
CHIPP Board Meetings		L	700	185	700	700	700
CHIPP EB Meetings CHIPP Plenary (invited speakers,	504	L	300	721	300	300	300
Administrator, sceretariat)	239		1'000	1'035	1'000	1'000	1'000
Operations	73'399		78'000	72'873	74'000	79'000	79'000
fund	71'550	L	77'000	71'600	72'000	78'000	78'000
travel and other expenses	1'849		1'000	1'273	2'000	1'000	1'000
SCNAT Amministration	1'920		1'500	1'900	1'900	1'900	1'900



2018 2019 2020

INCOME							
Total income	133'780		124'200	124'230	134'530	137'500	137'000
contributions from CHIPP member	79'480		80'000	80'030	80'030	84'000	84'000
contribution from SCNAT	34'300		24'200	24'200	34'500	33'500	33'000
for CHIPP School & MLHEP			10'300	8'700	8'000		
for Zuoz	8'000				9'000	10'000	10'000
for Workshops (PSI / SWICH)	11'000		10'000	3'000	5'000	10'000	10'000
for Outreach (SCNAT)	7'000		10'000	9'000	9'000	6'000	6'000
for Outreach (MAP)	5'000		0	0	0	4'000	4'000
for IPPOG	3'300		3'500	3'500	3'500	3'500	3'000
contributions from CERN	5'000		5'000	5'000	5'000	5'000	5'000
for EPPCN	5'000		5'000	5'000	5'000	5'000	5'000
contributions from SERI	15'000		15'000	15'000	15'000	15'000	15'000
for EPPCN	15'000		15'000	15'000	15'000	15'000	15'000
other contribution	0		0	0	0	0	0
BALANCE							
Balance	-6'793		-16'500	-6'044	-11'300	-11'700	-12'200
Asset at start of the year	55'745		48'952	48'952	32'452	21'152	9'452

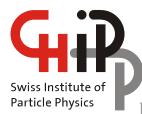
2019	total COST	income	SCNAT	СНІРР
Winter Schoo	34614	24690	8700	1224
Plenary 2019	27793	26757		1036
PSI 2019			3000	2000
Membership			3'500	3'136
EB/Board				906
CHIPP Prize				3000
Amin postfina	nceSCNAT			1900
				13202

Salary Admin CHIPP Prize SCNAT

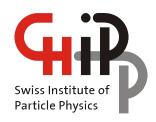
TOTAL:

72'000 CHF 3'000 CHF 3'200 CHF 1'800 CHF **80'000 CHF**

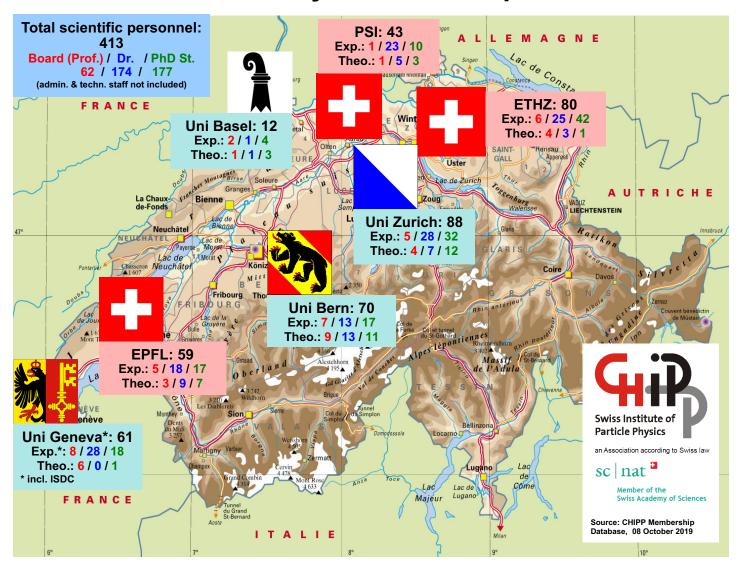
2020	total COST	income	SCNAT	CHIPP
Zuoz school			9000	2000
Roadmap				
2020			5000	1000
MLHEP2020			8000	0
MLHEP2020			8000	U
Membership			3'500	3'500
EB/Board				0
CHIPP Prize				4500
Amin postfina	nceSCNAT			1900
				12900

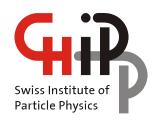


Institute	Total members	Honorary Members	Individual contribution	Total individual contributions	Institutional fee	Grand total
BS	7	0	110	770	1'000	2'320
BS Theory	7	2	110	550	1000	2 320
BE	39	2	110	4'070	5'600	13'300
BE Theory	34	1	110	3'630	3000	13 300
GE	57	4	110	5'830		
GE Theory	7	0	110	770	5'600	12'310
GE ISDC	2	1	110	110		
ZH	91	3	110	9'680 5'600		15'280
EPFL	41	1	110	4'400	5'600	12'090
EPFL Theory	19	0	110	2'090	3000	12090
ETHZ	74	2	110	7'920	5'600	14'400
ETHZ Theory	11	3	110	880	3000	14400
PSI	44	1	110	4'730	5'600	10'330
CERN	27	0	0 0		0	0
Total	460	20		45'430	34'600	80'030



Swiss Particle Physics Landscape 2020

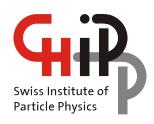




The Board (in application of Article 27, litt. a, and litt. u) is requested

- ✓ to approve the CHIPP activities for 2020,
- ✓ to approve the CHIPP budget 2020 as resulting from the approved activities (above), and
- ✓ to approve the membership fee as well as the institutional fee as set out above.

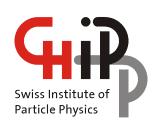
Required majority: simple



Votes for Budget 2020 ...

abstention: tavor: again		favor:	against
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Laura Baudis



Updates on the European Strategy in Particle Physics

T. Nakada

List of question from PPG

Note that

 Statements expressed in the European Strategy have been at high level and not on specific experiments nor small projects

List of questions 1

In the absence of clear indications for new physics, is a broad exploration an adequate approach for our global field? Do we want to move forward in the largest variety of directions?

Swiss input: broadly speaking YES

Would it be appropriate/sufficient to move the scientific diversity program at CERN or at the National Institutes to among the highest priorities for Europe? Should the strategy engage in ranking proposals according to priority? Which are the key proposals?

Swiss input: stress the importance of the roles played by national laboratories, e.g. PSI, in this field. Interest by the Swiss community on the beam dump facilities at CERN mentioned.

Should we consider statements to strengthen the LHC and HL-LHC program? Should we stimulate the creation of coordinated programs at CERN and/or in Europe, e.g. Al@LHC for both data analysis and for control of instruments, etc?

Swiss input: HL-LHC mould be the highest priority item. Computing indicated as an important subjects.

Should we also support the fixed-target projects at (HL-)LHC?

Swiss input: No discussion.

Because of the competition for the Interaction Region at Point-2@LHC, should we consider for the period beyond LS4 a choice between the next generation heavy-ion experiments at the HL-LHC and the LHeC?

Swiss input: No discussion.

Do we remain open towards strong participation in future collider programs outside Europe? Should such a statement remain among the highest priorities? Should we extend the scope to include a variety of options like ILC@Japan, EIC@US, CEPC@China, ...?

List of questions 2

1.Do we remain open towards strong participation in future collider programs outside Europe? Should such a statement remain among the highest priorities? Should we extend the scope to include a variety of options like ILC@Japan, EIC@US, CEPC@China, ...?

Swiss input: We restricted our discussion to the European matters.

2.Anno 2013: "CERN should develop a neutrino programme to pave the way for a substantial European role in future long-baseline experiments. Europe should explore the possibility of major participation in leading long-baseline neutrino projects in the US and Japan." Is the continuation of the CERN Neutrino Platform appropriate? Should we propose to extend the scope of the Neutrino Platform beyond long-baseline neutrino projects?

Swiss input: Neutrino Platform should continue and even extended if necessary.

3.Anno 2013: "Europe should support a diverse, vibrant theoretical physics programme, ranging from abstract to applied topics, in close collaboration with experiments and extending to neighbouring fields such as astroparticle physics and cosmology. Such support should extend also to high-performance computing and software development." Should we strengthen this statement? Should we provide guidance how to achieve this?

Swiss input: CERN should explore contributing to well selected astroparticle physics experiments where CERN participation can make a unique contribution (including computing)

List of questions 3

"Detector R&D programmes should be supported strongly at CERN, national institutes, laboratories and universities. Infrastructure and engineering capabilities for the R&D programme and construction of large detectors, as well as infrastructures for data analysis, data preservation and distributed data-intensive computing should be maintained and further developed." Should we strengthen this statement? Should we provide guidance how to achieve this? For example, related to new R&D cluster programs at CERN and in Europe, and related to the balance between blue sky R&D versus focused R&D.

Swiss input: Particle physics should remain the driving force in the development of those areas.

Should we make concrete the technology collaboration with the gravitational wave community?

Swiss input: No input.

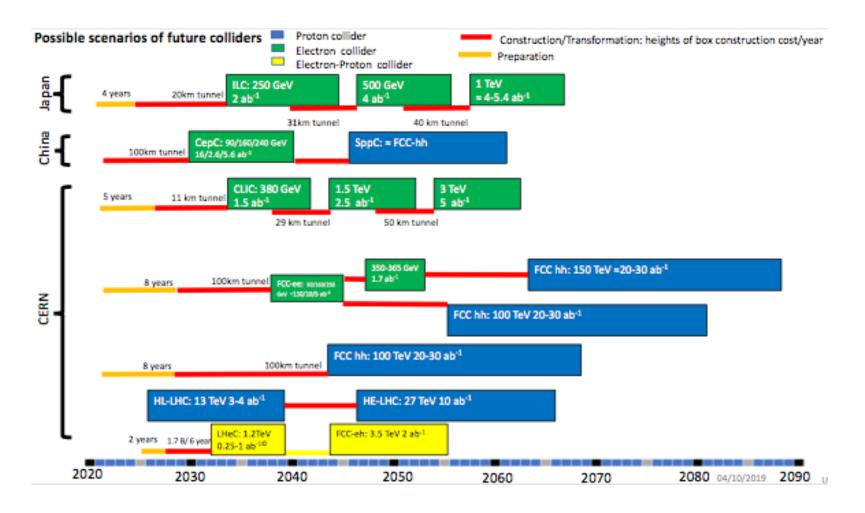
Should the HE-LHC feature in our strategy update?

Swiss input: No input.

In the context of the LE-to-HE-FCC-h/e/A scenario, would an adiabatic evolution from 6T to 16T/HTS magnets for FCC-h/e/A be an avenue to explore?

Swiss input: This option not considered.

	2020-20	2040-2060		2060-2080	
			1st gen technology	2nd gen technology	
CLIC-all	HL-LHC		CLIC380-1500	CLIC3000 / other tech	
CLIC-FCC	HL-LHC		CLIC380	FCC-h/e/A (Adv HF magnets) / other tech	
FCC-all	HL-LHC		FCC-ee (90-365)	FCC-h/e/A (Adv HF magnets) / other tech	
LE-to-HE-FCC-h/e/A	HL-LHC		LE-FCC-h/e/A (low-field magnets)	FCC-h/e/A (Adv HF magnets) / other tech	
LHeC-FCC-h/e/A	HL-LHC	+ LHeC	LHeC	FCC-h/e/A (Adv HF magnets) / other tech	

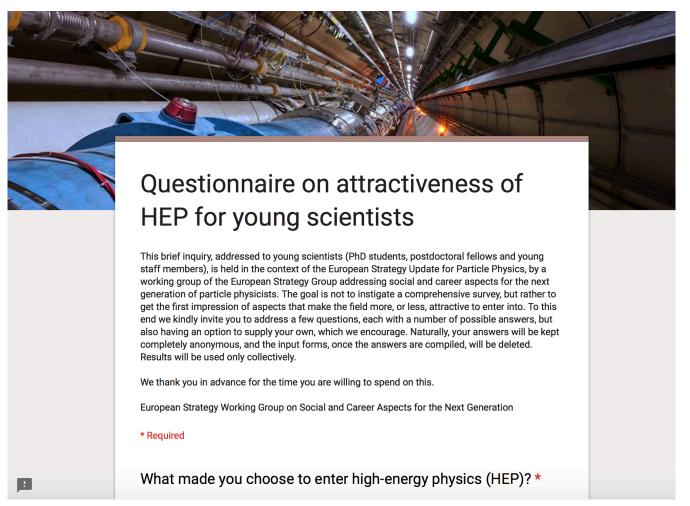


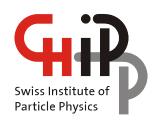


ECFA Chair request:

The Working Group for Social and Career Aspects for the Next Generation (chaired by Eric Laenen) within the context of the **update of the European Strategy for Particle Physics** prepared a brief questionnaire on the topic of the attractiveness of HEP for your scientists.

Sent by email to PhD and Postdoc.





APPEC Report

X. Wu

Joint Seminar APPEC-ECFA- NUPPEC → 14-16 Oct. 2019, Paris



APPEC Issues

Xin Wu (UNIGE) Swiss Delegate to the APPEC General Assembly

CHIPP Board meeting, Bern, 17 October, 2019





Important issue: Towards Sustainable APPEC

- Oct. 15 GA delegates received an email and a draft document on from the APPEC General Secretary (**Job de Kleuver**), stating:
 - At the GA meeting in May 2019, it was agreed
 - Current distributed model of Functional Centers is not sustainable
 - Functional centers are understaffed and activities indicated in the MoU cannot be sustained
 - In-kind contributions offered by participating countries are unbalanced
 - No in-kind contributed FTEs can be guaranteed in the future if collective dedicated efforts to APPEC are not substantially increased
 - Stronger APPEC is needed
- Draft document: "Path towards sustainable APPEC" (attached to the agenda)
 - Propose a new central-office model, with at least 4 FTEs
 - Currently 0.6 FTE NWO in-kind, 1 FTE DESY in-kind, 0.2 FTE KIT Common Fund
 - Alternative models equally able to support sustainable APPEC (including the Functional Center model APPEC is currently based on, but more efficient) will be also considered and evaluated



Schedule for this new initiative

- Now-until **November 10, 2019**
 - Discuss the new approach with/within your agencies
 - Send us your feedback to Teresa (Chair), Christian (Deputy Chair) and Job
- GA Meeting on December, 3 2019 in Lisbon
 - Approval of the document "Path towards sustainable APPEC" and choice of an effective approach for the future
 - Collection of informal candidatures to either host the APPEC central office, or apply an alternative approach
- Early Spring 2020
 - Deadline to send in bids to host APPEC central office, or official applications of an credible alternative approach
- GA Meeting in Spring 2020 in Amsterdam
 - Discussion of collection of official candidatures to host the APPEC central office together with a business plan and official applications, or alternative approach
 - If possible voting and decision



The APPEC office

- The APPEC central office will be hosted by a country which will cover about half of the costs (excluding the General Secretary) and also provide the rooms as in-kind contribution. The other half of the costs will have to be covered by corresponding contributions from the APPEC members.
- The General Secretary will head the APPEC central office and will be in charge for 5 years.
 - The General Secretary can belong to any of the countries represented in the General Assembly and would ensure at least 50% of time for the coordination of APPEC activities. Cost covered by Common Fund.
- The APPEC Chair can belong to any of the countries represented in the General Assembly, which votes for him/her on a 2-year, not consecutively repeatable term. He/she has the super-partes role of coordinating the duties of the General Assembly and works exclusively on an in-kind-contribution base.



The FTEs

- The minimum amount of FTEs to ensure the applicability of sustainable APPEC has been estimated as at least 4 FTEs (not including the Chair).
- The minimum amount
 - 1) The APPEC Chair (in-kind-contribution)
 - 2) 0.5 FTE ≤ General Secretary or Director of the Joint APPEC Office.
 - 3) 0.5 FTE ≤ the contact person to the EU.
 - Considering the experience needed by this person, this role could be covered by the General Secretary in the other 50% of his/her working time.
 - 4) 1 FTE ≤ Officer for international and industry contacts.
 - This person is the contact to the national funding bodies and industry
 - 5) 0.75 FTE ≤ Officer for Network and Strategic Actions
 - 6) 0.75 FTE ≤ Officer responsible for outreach
 - 7) 0.5 FTE ≤ Secretary to support
- Details in the draft document attached to the Agenda



Call for bids to host the APPEC central office

The bid will have to propose a **detailed business plan**, including:

- 1. A prospect analyzing the costs of sustainable APPEC:
 - the first year; the second and third year; the projection in the following 2-3 years
- 2. The description of the proposed legal form suitable for sustainable APPEC including the time schedule (e.g. German gGmbH, Belgian AISBL or another suitable legal form, based in a country involved in APPEC);
- 3. The correspondent costs;
- The number of FTEs dedicated to the different tasks;
- The cost of each FTE, overheads and room space;
- 6. The division of the total costs between the host (at least 50% of FTEs for items 3) to 7), all overheads and room space) and the other APPEC partners through the common fund (50% of FTEs for items 3) to 7) and at least 0.5 FTE for item 2));
- 7. The APPEC income (partner fees, to be decided in agreement with the partners);
- 8. Foreseen APPEC costs (meetings, events, school supports, ... based on past APPEC management reports);
- 9. Unforeseen APPEC costs (depending on the chosen legal form, past APPEC management reports, etc.).



Communication

- Nomination of new members of the APPEC SAC (Scientific Advisory Committee)
 - Aug. 27: request from General Secretary received
 - Sept. 8: request sent to CHIPP board members solicitating suggestion
 - Sept. 27: suggest two candidates to CHIPP EB
 - Michele Weber of Bern and Toni Riotto of Geneva
 - Oct. 7: two candidates endorsed by CHIPP EB
 - Oct. 8: two candidates endorsed by CHIPP EB
 - Oct. 8: Swiss nominations sent to the APPEC General Secretary
 - GS will propose 5 new members, after consultation with the SAC Chair, for approval at the General Assembly meeting on Dec. 3
 - The appointments, for a period of 3 years renewable once, are "ad personam", solely on the basis of scientific competence



Current APPEC SAC composition

APPEC SAC - summer 2019

COUNTRY	Cosmic rays	High-Energy Photons	Ultra-High Energy neutrinos	Gravitational waves	Neutrino Properties	Neutrino Mass	Dark Matter	Dark Energy	Cosmology CMB	Theory
Belgium										
France					Marco Zito				Ken Ganga	
Germany			Gisela Anton	Karsten Danzmann						Manfred Lindner
Italy					Marco Pallavicini	Mauro Mezzeto				
Ireland										
Netherlands	Sijbrand de Jong			Jo van den Brand						
Poland										
Russia										Sergey Troitsky
Spain									Ramon Miquel	
Sweden										
Switzerland							Laura Baudis			
UK		Paula Chadwick					Jocelyn Monroe	Ofer Lahav		
China										
USA/Canada										
CERN										

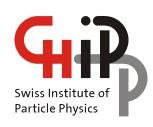
Green	member since June 2018
Black	member with term until December 2019

Laura Baudis is the current Chair of the SAC



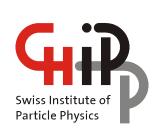
Discussion

- The new central-office model
 - I would like to have a consensus from the CHIPP Board before I consult SNF
- Any interest to host the Joint APPEC Office in Switzerland?
 - Deadline is early Spring next year



Astroparticle Physics International Forum (APIF)

T. Nakada



Astroparticle PhysicsInternational Forum (APIF)

The Organisation for Economic Co-operation and Development (OECD) established APIF in 2011, following a report summarizing the emerging interdisciplinary field of APP

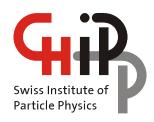
recommending "that a venue be created for consultations of the officials of the funding agencies for the purpose of facilitating a globally coherent response to the scientific opportunities in APP".

APIF continues as independent structure since 2017

under the "APIF Agreement", now hosted by Kavli Institute in Stanford, under chairmanship of Prof. R. Blandford (FALC model, no subscription).

ARTICLE 2 – OBJECTIVES OF APIF

APIF serves as a venue for exchange of information and consultation on astroparticle physics, including, inter alia, dark matter, dark energy, cosmic microwave background, high-energy messengers (including charged particles, gamma rays and neutrinos), gravitational waves, proton decay and neutrino mixing, and neutrino mass.



Participation in APIF

"Participation in APIF is open to individuals nominated by national funding agencies or ministries with responsibility for astroparticle physics."

 Present membership includes representatives from US DOE, US NSF, France CEA, France CNRS, INFN, UK Science and Technology Facilities Councils, Netherlands, Chinese Academy of Sciences, Japan, South Korea, Israel, Brazil, South Africa, Spain, India...

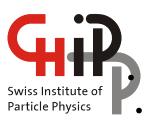
"outside the presence of scientists who might be tempted to lobby for their areas or projects. " (M. Turner)

Switzerland has been represented by SERI

SERI has informed SCNAT and myself that from now on the responsibility belongs to SCNAT

SCNAT has designated the Platform MAP, which supports the next APIF meeting (in Japan ,Nov 2019).

For 2021 on, MAP requests the view of CHIPP



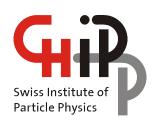


Switzerland in APIF

Benefits:

- Production of a twice yearly report on APIF activities, in particular plans from funding agency sources on APP.
 - Ex: US- DOE, NSF, China, Japan, South Korea, Latin America,...
 - Essential for SCNAT new roadmap responsibilities
- Reports on visits to astroparticle physics facilities
 - Ex: LHASSO
- International visibility for Swiss particle physics and astrophysics research and research management
 - Ex: «2019 Swiss Roadmap for Research Infrastructures»
 - Ex: the OECD Global Science Forum document "Strengthening the effectiveness and sustainability of international research infrastructures"
 - Ex: application of SCOAP3 Open Access policy to APP ???
- Cost: no subscription, 2 meetings/year

Maurice Bourguin October 7, 2019



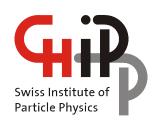
Agenda item 8: SPS/CHIPP joint annual meeting in Fribourg

A. Schopper

29-3 July 2020 University Fribourg

SPS Membership fees for CHIPP members

SPS/CHIPP Round Table with Journalists, physicists and .. Politicians?
Web Influencers?



Agenda item 9: Swiss Roadmap Workshop 2020

WHY: To set the Swiss priorities after the ESPPU process has been concluded

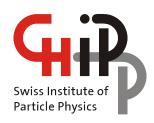
Who: all CHIPP members

When: 25-26 June 2020

Where: Kandersteg

Prize: max 250 CHF





NEWS

From the CERN Council

The Council appointed **Prof. Leonid Rivkin** (PSI-EPFL) as Chair of the Scientific Policy Committee, and **Dr. Laurent Salzarulo** (State Secretariat for Education, Research and Innovation) as Vice-Chair of the Finance Committee, both for first terms of office of one year with effect from 1 January 2020.

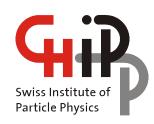
From the University of Fribourg
 Hans Peter Beck has been appointed
 Professor at the University of Fribourg

Promotion d'un chargé de cours passionné en physique



Le Docteur Hans Peter Beck a été nommé, en juillet de cette année, Professeur Titulaire du Département de Physique de l'Université de Fribourg.

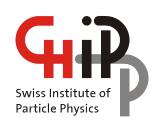
Ce chercheur passionné travaille depuis de nombreuses années dans le domaine de la physique des particules, notamment au CERN où il est associé scientifique depuis la



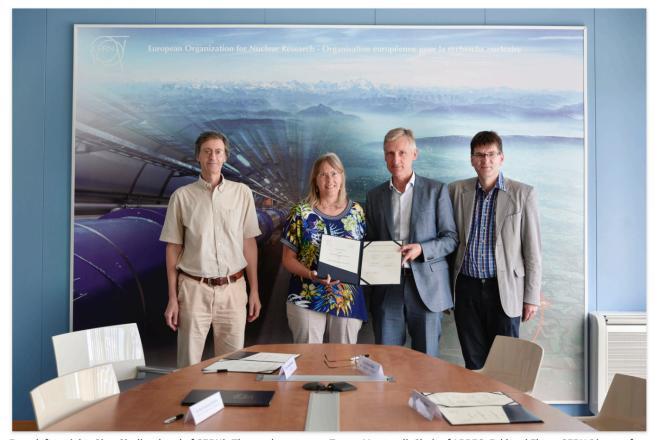
Fermilab and University of Bern join forces for neutrino physics



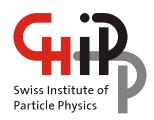
On Sept. 19, the University of Bern in Switzerland and Fermilab signed an agreement to collaborate on neutrino experiments to be carried out at the laboratory. Seated, from left: Fermilab Director Nigel Lockyer, University of Bern Rector Christian Leumann, University of Bern scientist and group leader Antonio Ereditato. Standing, from left: Fermilab Chief of Staff Hema Ramamoorthi, Fermilab Office of Partnerships and Technology Transfer Manager Cherri Schmidt, Fermilab Neutrino Division Head Steve Brice, University of Bern Laboratory for High Energy Physics Deputy Director Michele Weber, Fermilab Deputy Director of Administration Tim Meyer, Department of Energy Federal LBNF/DUNE Project Director Pepin Carolan, Department of Energy Office of Associate Director of Science for High Energy Physics Director Jim Siegrist. Photo: Reidar Hahn, Fermilab



A new centre for astroparticle physics theory On 10 July, CERN and APPEC founded EuCAPT, a research centre for astroparticle physics theory



From left to right: Gian Giudice, head of CERN's Theory department, Teresa Montaruli, Chair of APPEC, Eckhard Elsen, CERN Director for Research and Computing, and Job de Kleuver, APPEC Secretary-General. (Image: CERN)



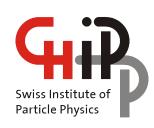
IPPOG news

HP Beck: IPPOG report at the recent session of Council on 27 September.





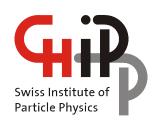
IPPOG Collaboration at its last meeting that took place at GSI in Darmstadt, Germany this Spring 2019.



Agenda item 10: Status of new professorships

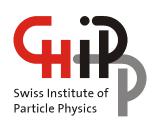
New professorships at CHIPP institutes

- report from each institute:
 - Basel
 - ▶ Bern
 - Geneva
 - Zurich
 - ▶ EPFL
 - ▶ ETHZ
 - PSI



National Media Visit at CERN 23-24 January 2020

- UniGe Marco Cattaneo
- SCNAT Andreas Jordi
- NZZ Christian Speicher
- Sonntagzeitung Joachim Laukenmann
- Free lance Barbara Gallavotti
- CHIPP Benedikt Vogel
- SNF Christophe Giovannini
- PSI Andreas Trabesinger
- Swiss association of Science journalists: Diana Hornung
- SNF (Horizon) ?
- Einstein-Redaction (RTS) ?
- Wissenschaft-Redaction?
- Bilan ?



Next CHIPP meetings

Please book the dates in your diary!

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
Board/Plenary 2020 with SPS → 29 June – 3 July 2020

Zuoz PhD school \rightarrow 9 – 15 August 2020 MLHEP 2020 PhD school \rightarrow 16 – 30 July 2020









October 21 - 25, 2019

sc nat

Physics of Fundamental Symmetries and Interactions at the Paul Scherrer Institute

Fundamental physics and precision experiments with muons, pions, kaons, neutrons, antiprotons and other particles

- Low energy precision tests of the Standard Model
- Searches for permanent electric dipole moments
- Exotic atoms and molecules
- Searches for symmetry violation and new forces
- Precision measurements of fundamental constants
- Advanced muon and ultracold neutron sources

supported by



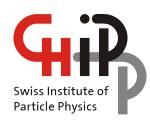
Organizing Committee:

Klaus Kirch **Bernhard Lauss** Stefan Ritt Adrian Signer

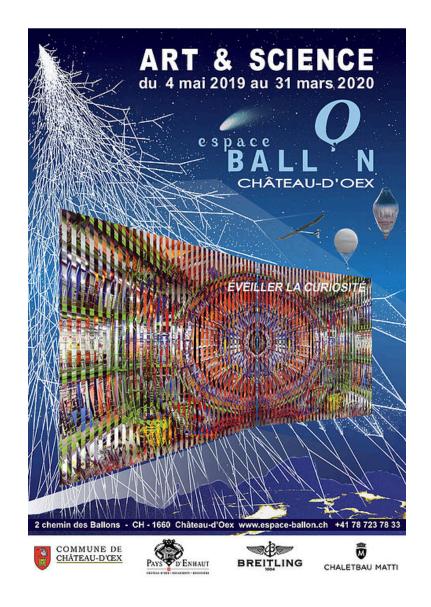
Follows PSI2013 and PSI2016, expect 150 participants, all talks plenary, poster session

+ Satellite Workshop on Oct. 25-26, 2019

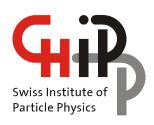
Synergies between muon capture and neutrino scattering - axial proton radius and neutrino-nucleon scattering program coordinators: Peter Kammel, Federico Sanchez



Events:

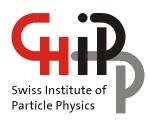


https://www.espace-ballon.ch/exposition-temporaire



Agenda item 22: A.O.B.

News from the community?
 Any news or announcement to be communicated?



EPPCN ..

