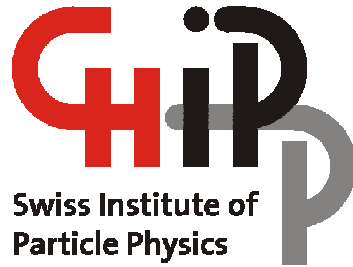


# Agenda item 1: Agenda

- The Agenda has been distributed on 17 January.
- No additional items have been requested.
- Any other business?

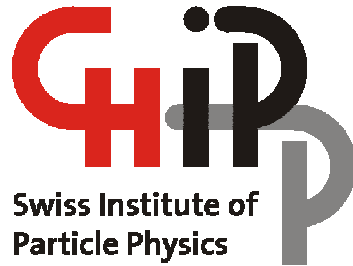
## Agenda item 2: Apologies and Proxy Votes

- The following Proxies have been designated:  
Thielemann (Krusche), Bay (Schneider), Wallny (Dissertori),  
Ereditato (Rubbia), Weber (Vuilleumier)
- The following substitutes have been announced:  
Steinacher (Moor), Preiswerk (Pfister),
- The following apologies have been received:  
Amsler, Becher, Blau, Collangelo, Derendinger, Durrer, Gaberdiel,  
Gehrmann, Gehrmann-deRidder, Greub, Hasenfratz, Hauri, Maggiore,  
Meylan, Moore, Nakada, Rattazzi, Rubbia, Schaller, Shaposhnikov,  
Truöl, Wenger



## Agenda item 3: Minutes of the last meeting

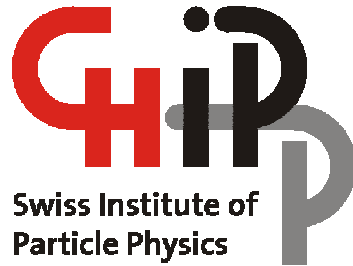
No comments and requests for amendments have been received regarding the minutes of the CHIPP Board 2010-02, 24 August 2010, Gersau.



## Agenda item 4: Report on CHIPP activities (2<sup>nd</sup> half 2010)

(slightly reordered)

- LA FORCE and FORCE requests 2011
- CHIPP tables
- Workshops (PSI2010, Flavour Physics, Zuoz, PhD Winter School 2011)
- Outreach funding
- Activities 2011



## Agenda item 4: LA FORCE (1)

- LA FORCE meeting 3 December 2010
- Participants: SER, SNF, ETH-Rat, CERN delegate, CHIPP
- Friendly atmosphere
- CHIPP tables welcomed by SER and SNF
- Discussion of guidelines for funding priorities (see overleaf)
- CHIPP suggestion to continue with a similar body in case the credit line is transferred to SNF and merged with FINES and FOLIS (present planning by SER)

# Agenda item 4: submitted FORCE requests 2011

**FORCE: amounts requested for 2011 (status November 2010)**

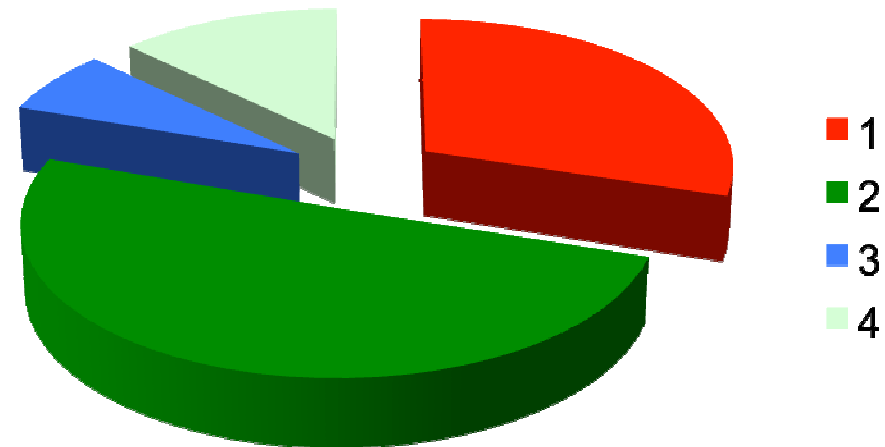
version 18 Nov 2010

Project	Experiment	amount	Manpower	author
Developping, fabrication and testing of a prototype CLIC accelerating structure with damping material for higher order mode and wake-field suppression	Accelerator	252 k	YES	Rivkin
Proton-Proton Collider Physics with the ATLAS Experiment at CERN	ATLAS	344 k	YES	Ereditato
Physics at the LHC at CERN	ATLAS	423 k	YES	Clark
Secondary Organic Aerosol Formation in the PSI Smog Chamber and at CERN	CLOUD	150 k	YES	Baltensperger
Support for CMS Tier3 Analysis Facility	CMS	111 k	YES	Grab
Operations and Upgrades of the Barrel Pixel Detector and the ECAL of the CMS experiment at the LHC	CMS	978 k	YES	Dissertori
Particle Physics at CERN	CMS/DIRAC	approx. 260 k	??	Amsler
GRID Infrastructure for LHC experiments	GRID computing	707 k	YES	Grab
Construction of the LHCb experiment	LHCb	451 k	YES	Straumann
High-precision CP violation physics at LHCb	LHCb	432 k	YES	Schneider
M&O for the LHC experiments 2011	M&O	1'042 k	--	Nakada
A long baseline numu-nutau appearance experiment in the CNGS beam from CERN to Gran Sasso	OPERA	468 k	YES	Vuilleumier
Hadron production by 30 GeV protons off the T2K target in the NA 61 experiment.	T2K/NA61	300 k	YES	Blondel
R&D on Neutrino Projects at CERN	MICE/AIDA	56/129		
High Energy neutrino and Particle Physics and Search for Dark Matter in the Universe at CERN	T2K/Neutrino Detector/ArDM	448 k	--	Rubbia
<b>Total</b>		<b>6'363 k</b>	<b>11 requests</b>	

# FORCE Gesuche 2011

- Total zulässig für FORCE Gesuche in 2011: 6.6 MCHF
- Neu: Matching funds für EU FP7-Program AIDA
- Total Gesuche 6.3 MCHF
- 95% der möglichen Summe ausgeschöpft
- Nicht voll enthalten: AIDA (EU), AMS
- Obligatorischer Teil: 1.75 MCHF
- Verfügbar für nicht obligatorische Gesuche ~ 3 MCHF
- Total nicht obligatorische Gesuche ~ 4.5 MCHF
- Evaluiert durch SNF

Klassifikation nach Prioritäten

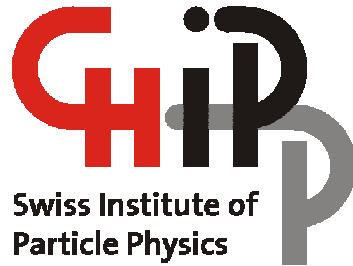


## Agenda item 4: LA FORCE (4)

Guidelines for funding priorities:

1. Priorität: Unterhalt, Betrieb und Computing der LHC Detektoren (Gemeinschaftsgesuche): M&O, Tier-2 } Obligatory
2. Priorität: Konsolidierung und Weiterentwicklung von LHC und LHC Detektoren: Detektor R&D, LHC Luminositäts-Konsolidierung und Weiterentwicklung R&D
3. Priorität: CERN approved experiments (wie NA61, DIRAC, OPERA, CLOUD, AIDA); Beschleuniger R&D (CLIC) } Evaluated By SNF
4. Priorität: Recognized experiments am CERN, von gleichem wissenschaftlichen Standard (Evaluation und Begleitung) wie CERN approved experiments



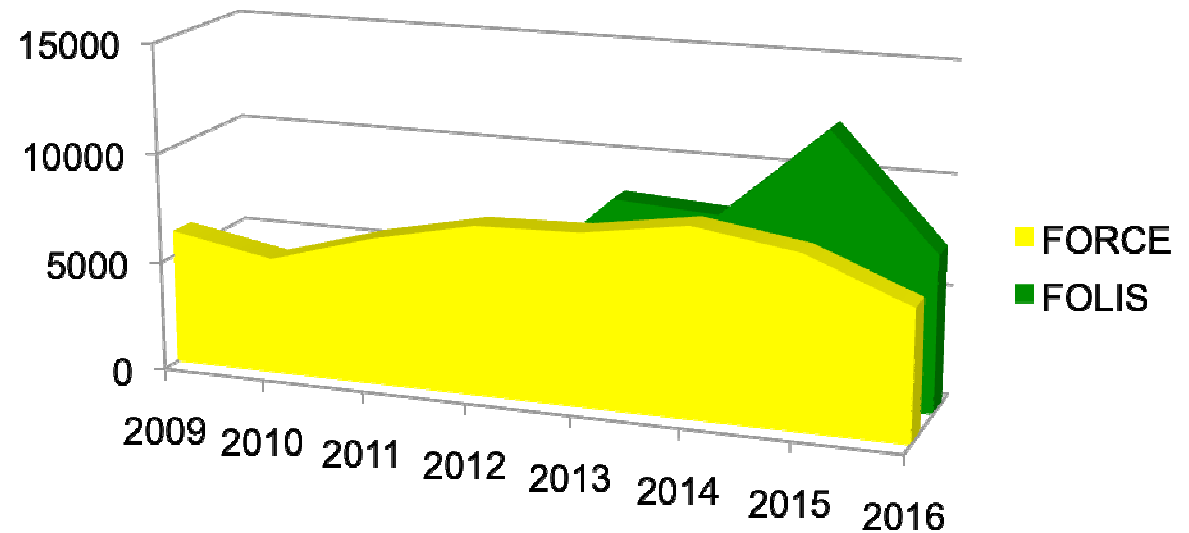


## Agenda item 4: CHIPP table

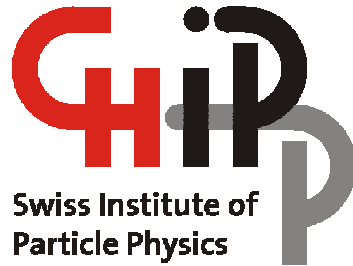
- The table has been distributed with the meeting documents
- The numbers have been collected by the responsible EB member Laura Baudis
- Thank you for cooperating (including the several iterations)
- Final table made available to the SER (and SNF) for planning purpose
- Table has been welcomed by SER and SNF
- Next round: September 2011

# CHIPP Planungstabelle

- Schulter im Profil 2011-15: Konsolidierung und Ersatzinvestitionen für LHC
- Achtung: 2010 Tabelle enthält technisches Personal, nicht enthalten in vorhergehenden Versionen



- FORCE und FOLIS Bedürfnisse sind vergleichbar, Darwin, Laguna, PEBS verschoben um 1-2 Jahre
- FOLIS Spitze 2015: DARWIN Konstruktion



## Agenda item 4: Past Workshops and Schools

The following Workshops and Schools have been supported by CHIPP in the timeframe September 2010 – January 2011:

- High Energy Frontier Zurich
- Physics of Symmetries and Interactions PSI 2010, PSI
- Zuoz School
- School on Flavour Physics Berne
- PhD Winter School Leukerbad



# Agenda item 4: Schools

## List of Schools

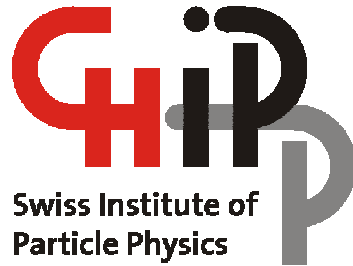
Year	Location	Focus	Website
2008	Näfels	SM & Accelerators	<a href="http://www.itp.uzh.ch/events/CHIPP2008/">http://www.itp.uzh.ch/events/CHIPP2008/</a>
2009	-	-	-
2010	Ascona	Neutrino & Detectors	<a href="http://www.itp.uzh.ch/events/CHIPP2010/">http://www.itp.uzh.ch/events/CHIPP2010/</a>
2011	Leukerbad	Cosmo & Astro-Particle	<a href="http://www.chipp.ch/WinterSchool2011/">http://www.chipp.ch/WinterSchool2011/</a>

*\*suggestion:* place all schools' websites on the chipp server.

You can find the Indico page of the 2011 school at:

<http://indico.cern.ch/conferenceDisplay.py?confId=104126>

- **Lectures:** Less is more... The reality is that you can not teach everything about a field in one week! Lectures should not attempt to cover an entire field, but should attempt to teach a small part of a field. Lectures should focus on pedagogical style. Teaching ability should be the primary criteria for choosing lecturers. Working with the lecturers well before the school to organise the content is very important. Not only does it remove overlap, but it motivates the lecturers to take their preparation seriously.
- **Discussion Sessions:** The most effective discussion sessions this year were the “small group discussions” - each lecturer took a corner of the room and the students went to the lecturer they had questions for. We did this in the hotel bar and provided drinks, producing an informal atmosphere which broke down the resistance to ask “stupid” questions. I suggest doing this at least 3 times (1-2 hours each) during the week.
- **Schedule:** Some students requested free afternoons with evening lectures. I think this is okay for one day, but fear that doing it all week will turn the school into a ski-school.
- **Location:** Leukerbad and Hotel Regina Terme are very well suited for these schools. I would recommend using the same location next year. The only improvements I suggest for the hotel are better shades for the seminar room and possibly a large white board for those lectures who prefer “blackboard” lecturing. Changing locations could be desirable for repeating participants.



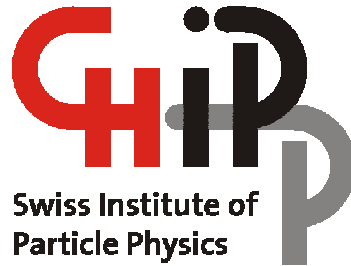
## Agenda item 4: Outreach

- The approach discussed in Gersau has been continued and is now in its final stage.
- Last minute proposals for restructuring the document have been received and are being implemented.
- Submission to SNF and SATW is imminent.

## Agenda item 4: Activities 2011

### A. Planned activities for 2011

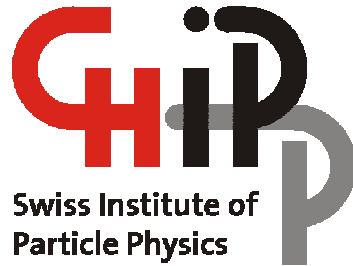
- application for membership to the SCNAT
- advertisement, evaluation and selection of the CHIPP Prize winner 2011 (KK)
- finalisation of the implementation paper of the Roadmap
- establishment of the CHIPP tables (LB)
- promotion of FOLIS
- distribution of the funding of C-15 in 2012
- progress in the discussion about co-funding of C-15 in the period 2012-2016
- submission of C-15 request for the period 2013-2016



# Agenda item 4: Activities 2011

## A. Future Workshops and Schools

what	responsible person	when?
CHIPP PhD School Ascona	A. Hamilton	9-14 January 2011
WS AXION Wimp	L. Baudis	27 June - 1 July 2011
WS on Astroparticle Physics	M. Pohl, T. Nakada	7/8 July 2011
WS on the C-15 mid-term results	U. Straumann	28/29 July 2011
WS on Neutrino Physics	A. Ereditato, L. Baudis	9-11 December 2011



## Agenda item 5: Reports from Committees

Activities of the past 6 months:

CERN Council and SPC

ECFA

ApPEC

NuPECC

SPS

Computing Board

Outreach Committee

U. Straumann

Th. Gehrman (postponed)

M. Bourquin

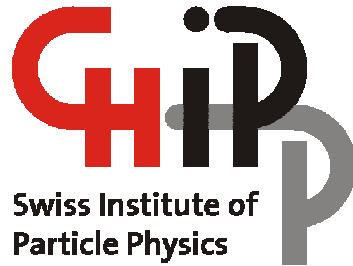
B. Krusche (postponed)

K. Kirch

Ch. Grab

H.-P. Beck





## Agenda item 6: Transformation of CHIPP

### Facts:

- Decision to transform CHIPP into an Association has been taken in Gersau
- Open points have been clarified since then
- Statutes have been put to a formal vote (see overleaf)
- Association was prerequisite for Membership in Swiss Academy of Natural Sciences SCNAT (also decided in Gersau)
- Continued consultation with SPS and agreement (→ K. Kirch)

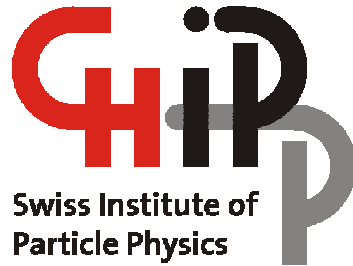
## Agenda item 6: Vote on the Statutes

### Facts:

- Statutes have been put to a formal vote
- At present: 44 out of 57 CHIPP Board Members have cast a positive vote
- 13 have remained silent
- Now: last occasion to cast your vote: is there someone?

### → This means:

- The Association is founded
- Members are those who have approved the Statutes and the By-Laws
- Late accession is possible at anytime → request to the Chair



## Agenda item 6: Confirmation of functions

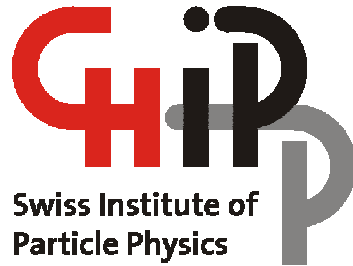
For the CHIPP Association the following functions will have to be filled:

- Chairman
- Secretary

➔ It is suggested:

- To confirm the CHIPP Chair (Martin Pohl) as Chair of the CHIPP Association
- To confirm the CHIPP Administrator (Jean-Pierre Ruder) as Secretary of the CHIPP Association

Vote...



## Agenda item 6: Formal application to SCNAT

The next steps are as follows:

- Formal application (letter plus a number of documents) to SCNAT → Within the next week
- Discussion of the application at the SCNAT Platform for Mathematics, Astronomy, Physics → February
- Discussion of the application in the SCNAT Vorstand → March
- Proposal to accept the application submitted to the SCNAT Delegiertenversammlung → May

## Agenda item 6: Membership fee

The Statutes (Article 35) contain a provision allowing to introduce a Membership fee:

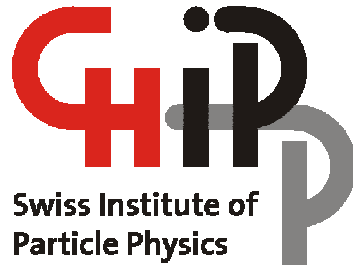
*“The Membership fee is limited and decided upon by the Board.”*

Clause 6.1 of the By-laws provides the technical details:

*“The Board decides upon a Membership fee and the modalities for its payment. The Membership fee is annual.*

*The Membership fee may be*

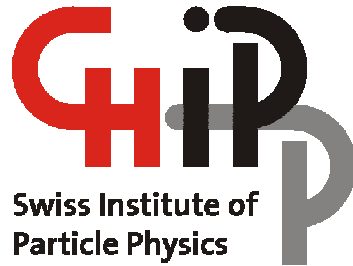
- a fee for each Plenary Member;*
- a fee for each Board Member only;*
- an institutional fee per institute or university;*
- a combination of two or three of these elements;*
- or may rely on any other calculation mechanism as decided by the Board.”*



## Agenda item 6: Membership fee

Why to discuss now?

- Preparatory discussion; no decision today
- At present: CHIPP administration is funded by C15 funds
- Will end in 2012 and hopefully continue in 2013-2016
- In case of discontinued support from C15: CHIPP needs some funds in order to allow the Secretariat (Administrator) to go on
- Order of magnitude: < 120 kCHF/a



## Agenda item 7: C-15 Centre for Advanced Studies

*Reminder: this is the 'famous' **SUK C-15** project which funds many CHIPP activities and the 9 PostDocs hired for LHC Data Exploitation*

Criteria for 2013-2016 proposals:

- New idea/concept (not already rejected by SUK or SNF)
- Collaboration between at least two universities
- Must fit into the declared strategy of the submitting university
- Must include a realistic expectation of **sustainable funding through other sources (beyond 2016)**
- High potential of innovation and originality

Schedule:

- Call for sketches: February 2011
- Submission of sketches: September 2011

## Agenda item 7: C-15 Centre for Advanced Studies

In Gersau:

- Decision to plan for an new application
- Content: enlarge field to other PP activities (**revised**)
- Leading university: possibly Zurich

In the mean time:

- Discussions in the EB, with the potential Project Leader, with the partner institutes → keep focus on LHC.

Result:

- Sketch distributed to the Board; presented by U. Straumann

Decision requested from the Board:

- Decision to go ahead along these lines and establish a full fledged end enlarged sketch for submission in September 2011



## Agenda Item 8: Educational Programme

Background: new federal law on support to Universities, doctoral program comes back home

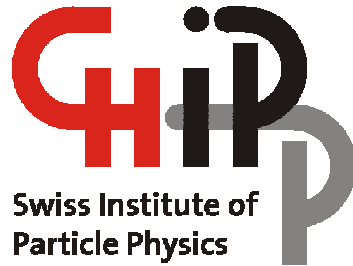
Doctoral education aims (CRUS, 3/7/2008):

- Development of **scientific competencies**: ability to do independent scientific work;
- Acquisition of **scientific knowledge** and expertise (disciplinary and interdisciplinary), methods and **transferable skills** (project management, presentation techniques, languages and communication etc.)
- Active **networking** with other PhD students and with advanced researchers in Switzerland and abroad.

The PhD prepares for research jobs within academia as well as outside (society at large, private sector, public service...) and gives the ability to perform very diverse and demanding professional tasks.

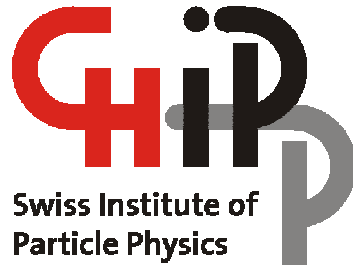
## Agenda item 8: Progress on Doctoral Programme

- Western Switzerland:
  - CRUS doctoral program has replaced 3ième cycle in 2010/11
  - PhD days (organized by students), transferable skills
  - Responsible: Peter Wittwer (UniGe) [physique.cuso.ch](http://physique.cuso.ch)
- Similar discussions in eastern Switzerland:
  - More resistance, bad experience with doctoral schools
  - Minimal consensus: open all lectures to all students, grant credits according to local rules
- CHIPP ProDoc:
  - Web portal [www.chipp.ch/chipp-doctoral-programme.html](http://www.chipp.ch/chipp-doctoral-programme.html)
  - CHIPP winter school 2011 successful, who organizes 2012?
  - Responsible: Andrew Hamilton (UniGe), leaves summer 2011
  - ProDoc instrument will end in 2012, take over by Universities?



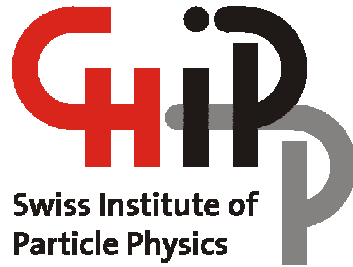
## Agenda Item 9: Implementation of the Road Map on Particle Physics

- Status report from A. Ereditato
- Invitation to the Board to provide feedback until February 4, 2011
- Critical points:
  - Recognizes CERN's coordinating role
  - Preference for future CERN projects
  - Preference for CLIC compared to other collider projects
  - More emphasis on PSI
- Mandate to editorial board (AE, LB, MP) to finalize draft?
- Vote on final version by email?



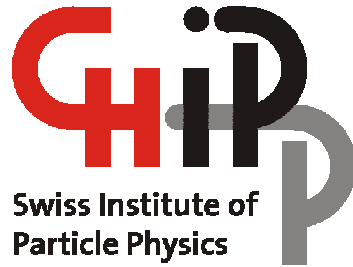
## Agenda Item 10: Status on new professorships

- Report from each institute



## Agenda Item 11: Planned Workshops

- Report from each institute



Agenda item 12:  
Next Board meeting

1 / 2 September 2011  
in Leysin

in the context of the CHIPP  
Plenary 2011

*(please block the date)*