

Agenda item 1: Agenda

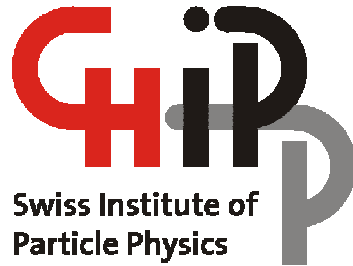
The Draft Agenda has been distributed on 24 August;
no additional items have been requested until 29 August.
The final Agenda has been distributed the same day.

Any other business?

Agenda item 2: Apologies and Proxy Votes

- The following Proxies have been designated:
Dissertori (for Paus), Schneider (for Bay), Gehrman (for Anastasiou), Weber (for Ereditato), Nakada (for Shaposhnikov), Rubbia (for Wallny),
- The following apologies have been received:
Krusche, Minkowski, Grab, Laine, Pretzl, Straumann, ...

→ **The quorum is reached / not reached**



Agenda item 3: Minutes of the last meeting

No comments and requests for amendments regarding the minutes of the CHIPP Board 2012-02 (13 June 2012) have been received.

→ The Board is invited to approve the minutes of the last meeting

PS: The minutes have been made available shortly after the meeting on our website www.chipp.ch

Agenda item 4: Composition of the EB for 2012ff

- L. Baudis will step down from her function as CHIPP Vice-Chair with effect on 31 December 2012.
- The call for nominations has resulted in two names. Out of these two, T. Montaruli is ready to serve.

→ **The Board is invited**

to elect T. Montaruli for a first term as CHIPP EB member for the period 1 January 2013 – 31 December 2014.

Agenda item 5: ECFA Representatives (1)

- Two ECFA Delegates will step down from their function as per 31 December 2012:
Th. Gehrman (R-ECFA) and X. Wu (P-ECFA)
- The call for nominations has resulted in three names for the R-ECFA (G. Iacobucci, L. Rivkin, R. Wallny) and one name for the P-ECFA (O. Steinkamp). All four are willing to serve.
- In addition, T. Garvey will end his second mandate as P-ECFA representative this year; a further extension is possible. He is willing to serve.
- The election of the ECFA representatives is in the competence of the Plenary, voting on the basis of a recommendation by the Board.

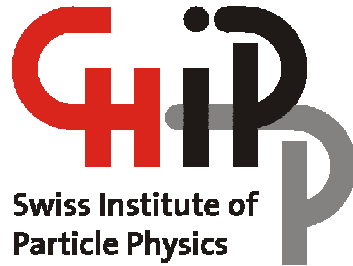
Agenda item 5: ECFA Representatives (2)

→ The Board is invited to recommend to the Plenary:

- the election of G. Iacobucci, L. Rivkin or R. Wallny for a first term (2013-2015) as R-ECFA representative;
- the election of O. Steinkamp for a first term (2013-2015) as P-ECFA representative;
- the confirmation of T. Garvey for a second term as P-ECFA representative (2013-2015).

Agenda item 6: ACCU Representative

- At present, M. Weber is representing CHIPP in ACCU.
 - He will end his second term in this function this year. A further extension of his mandate is possible.
 - He is willing to serve.
 - The election of the ACCU representatives is in the competence of the Plenary, voting on the basis of a recommendation by the Board.
- The Board is invited to recommend to the Plenary the re-election of M. Weber as ACCU representative for a third term (2013/14).



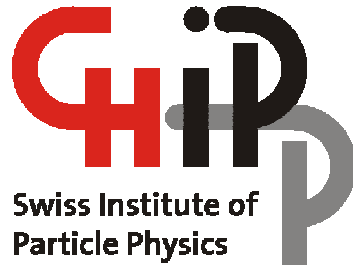
Agenda item 7: CRUS Report: 'cost-intensive' infrastructures

Introduction:

- Audience: University rectors
- Assignment: Benefit from more coordination?
- Guinea pigs:
 - Particle physics: CHIPP
 - Biomedical imaging
 - High performance computing
 - Access to scientific information
- Deadline: July 2012
- Vehicle to promote our own agenda

Agenda item 7: CRUS Report: Definitions

- Infrastructure:
 - Accelerators: national (PSI), international (CERN) organizations, government funded
 - Detectors: mix national-cantonal-institutional
 - Observatories: both models
- Cost intensive:
 - Investments > 1.5 MCHF, and/or
 - Annual operating costs > 0.5 MCHF (salaries and operations)
 - PP is cost intensive globally, not necessarily at university group level



Agenda item 7: CRUS Report: Characteristics of PP

- Long term nature:
 - Requires sustainable funding policy
 - De facto exists: SNF policy, FLARE
- Self-organization:
 - CHIPP essential, may serve as prototype
 - Bottom up, peer review, consensus
 - Strong coordination inside pillars
 - NCCR to improve transverse coordination
- Proposal:
 - CRUS ought to participate in CHIPP operations cost

Agenda item 7: CRUS Report: Characteristics of PP (2)

- Proliferation of Swiss actors:
 - Political, scientific and financial
 - Local, cantonal and federal
 - Usually works: strength rather than weakness
 - Problem: approval mechanism of large international projects, commitment of sustainable funding
- Proposal:
 - Formalize **Round Table International Infrastructure** (legislative) and **LA-FLARE + SNF** (executive)

Agenda item 7: CRUS Report: Conclusions I

Costly infrastructure?

1. Particle and astroparticle physics (PP & ApP) require costly research infrastructure, which are **cost intensive** when their **total construction and operations cost** is considered.
2. PP & ApP **at the level of the individual university institute** are **not cost intensive** in the majority of cases, because these research fields benefit from a well established bottom-up self-organization, collaboration and cost-sharing.

Agenda item 7: CRUS Report: Conclusions II

Coordination

3. Accelerator based projects require large **national or international laboratories**, where coordination is in the focus from the start.
4. At national level, **inter-university coordination** is well developed and essential in determining the weight of the participants in a multi-national project.
5. In the field of PP & ApP, **an additional layer of coordination would not reduce cost**.
6. PP & ApP are willing to explore the sketched '**purchasing cooperation**' at local level and for smaller infrastructure projects, but fear that the cost-benefit ratio would not be to its advantage.
7. CHIPP provides a Swiss national forum for dialogue and coordination and plays an essential role in finding consensus and defending its conclusions. It is suggested **that CRUS contributes to the operations cost of CHIPP** in its effort of maintaining the coordination in PP & ApP at the present level.

Agenda item 7: CRUS Report: Conclusions III

Funding and funding policy

8. In PP & ApP, a **consistent and reliable long-term funding policy** is essential; it is therefore suggested that
 - (1) the direct federal funding with **FLARE** is sustained at least at the present level, and
 - (2) that the **SNF** reviews its policy of long-term funding of large (and long-lasting) infrastructure projects.
9. The **Swiss approval mechanism** of large international projects is a cumbersome road. It is suggested to develop a more formal process with the aim of enhancing the ‘Round Table International Infrastructures’ to a Think Tank for international participation, and the LA-FLARE to a recognized body for recommending project participation to the Research Council of SNF.

Agenda item 7: CRUS Report: Conclusions IV

Transversal collaboration and access policy

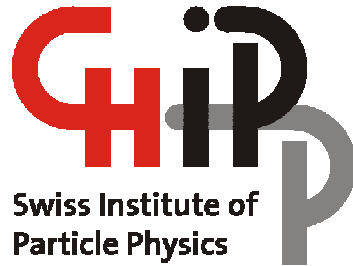
10. The transversal collaboration between the disciplines within PP & ApP on the one hand and between theoretical and experimental PP & ApP on the other hand must be developed and the input from neighbouring fields like high-energy astrophysics and cosmology strengthened. The proposed **NCCR 'Universe'** will allow a large step forward in this matter. It is suggested that **the members of CRUS encourage and support local efforts** in transversal integration, like e.g. the AEC in Berne and the CAP in Geneva.
11. **Access to national infrastructure should remain free of charge** and subject to scientific criteria only. The principle of mutual access to facilities without financial compensation simplifies administration.

Agenda item 7: CRUS Report: Decision

→ **The Board is invited:**

- to endorse the report 'Cost-intensive Infrastructures: Particle and Astroparticle Physics', and
- to entrust M. Pohl with handing the report over to CRUS.

[final deadline for still missing numbers: day after tomorrow!]

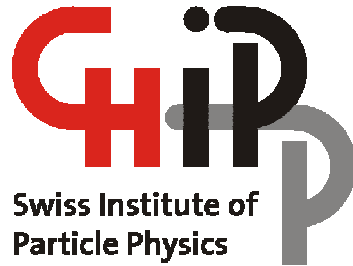


Agenda item 8: ApPEC Membership (1)

- ApPEC (Astroparticle Physics European Coordination) has worked for a decade and is about to become a more formal and a stronger organisation. As side effect, it has changed its name to 'Astroparticle Physics European Consortium'.
- The new organisation requires a formal accession to membership, the signing of the MoU, and an annual contribution to the Common Fund.
- Since many years, Switzerland is represented in ApPEC through CHIPP (by M. Borquin).
- CHIPP is ready to offer its good services in case Switzerland would join ApPEC.

Agenda item 8: ApPEC Membership (2)

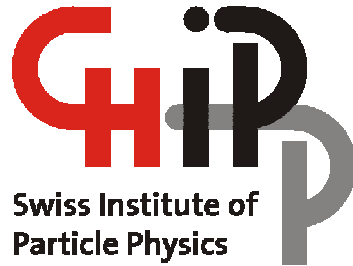
- The Swiss ApP community – being part of CHIPP – has come up with a resolution, strongly supporting Switzerland's membership in ApPEC.
 - CHIPP has submitted a provisional funding request to SCNAT regarding the annual contribution to the Common Fund (5000 €).
- **The Board is requested:**
- to approve the Swiss membership in ApPEC;
 - to entrust the Chair with submitting this request to the 'Round Table International' (who will designate the Swiss organisation to adhere and the Swiss representative);
 - to approve the submission of the funding request regarding the annual contribution to SCNAT.



Agenda item 9: CHIPP activities 2013

Introduction:

- The activities planned for the following year, the budget and the contributions are dealt with in the summer meeting of the Board.
- The logic of the presentation is
activities → expenditures → income
- The document is structured in accordance with this logic.



Agenda item 9: CHIPP activities 2013 (2)

Planned activities:

- **Science:** PhD School, workshops, Prize, Plenary, designation of representatives in national and international bodies/organisations
- **Outreach:** Outreach Group, implementation of three projects (Verflixtes Higgs [SER], Interactions [SNF], Dialogue [SCNAT])
- **Funding:** requests to SCNAT, joint FORCE requests to SNF, Long-term financial tables
- **Association:** Board and EB meetings, active SCNAT membership, participation in the Round Table and LA FLARE, webpage

Agenda item 9: CHIPP activities 2013 (3)

Expenses linked to activities:

- **Militia:** support from Board Members w.r.t. PhD School, workshops, Prize, Outreach, input to SCNAT and SNF requests → no cost;
 - **In-kind:** printing of brochures, CHIPP data base (central and distributed administration) → no cost;
 - **Reimbursement:** work of Webmaster and Administrator, operations and travel costs → 100 kCHF;
 - **Contributions:** SCNAT, ApPEC, PhD School, Workshops, Outreach projects, Prize, meeting support → 189 kCHF
- ➔ Total expenditures: 289 kCHF

Agenda item 9: CHIPP activities 2013 (4)

Benefits stemming from the activities:

- **support to Chair, organisation of Board and EB meetings:** Chair relieved from administrative tasks, allows smooth and efficient operations, track record of decision, deadlines, ...;
- **Plenary, annual reports, e.g. to CUS, SCNAT,:** allows highlighting CHIPP activities, supports funding requests;
- **Funding requests:**
 - **M&O request to SNF:** RRB representative relieved from administrative tasks, joint request a prerequisite for being regarded as ‘mandatory contribution’;
 - **Funding request to SCNAT:** results in a positive cash balance when weighted against membership fee
- **Long-term Financial tables:** establishes trust of SNF and SER into CHIPP, has led to FOLIS funding part;

Agenda item 9: CHIPP activities 2013 (5)

Planned income to cover the expenditures:

- **Contribution from CHIPP members:** → 100 kCHF;
- **Support from SCNAT:** funding requests for CHIPP School, Outreach and ApPEC submitted; will be decided in January → 31 kCHF;
- **Funding from SNF:** Agora outreach request submitted; will be decided in January → 100 kCHF;
- **Funding from SER:** Outreach project running; funds agreed → 38 kCHF
- **Carry forward from 2012:** expected amount → 45 kCHF

→ Total income: 314 kCHF

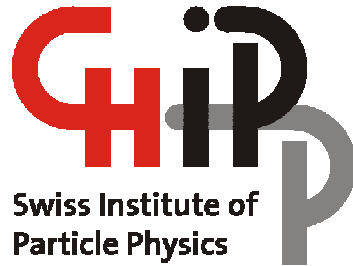
Agenda item 9: CHIPP activities 2013 (6)

Contributions from CHIPP Members – two options:

- **Option 1:** set the individual fee at 220 CHF/capita, to be collected by each institute;
- **Option 2:** set the individual fee at 110 CHF/capita and complement it with a lump sum institutional fee of 7.5 kCHF/institute, except for Basel (2.5 kCHF) and Fribourg (0.25 kCHF).

→ Total contributions option 1: 103 kCHF

→ Total contributions option 2: 99 kCHF



Agenda item 9: CHIPP activities 2013 (7)

→ **The Board is invited:**

- to approve the CHIPP activities for 2013;
- to approve the CHIPP budget 2013 resulting from the approved activities;
- to select one of the membership fee models from option 1 and option 2.

Agenda item 10: CHIPP Long-Term Financial Tables

Introduction:

- **15 projects** have been presented **at the June Board**; complementing information has been received afterwards.
- The **CHIPP tables have been updated** and extracts of the individual time-periods have been established. In addition, a **new table** has been generated (called ‘FLARE shares’) showing the expectations from each project regarding FORCE and FOLIS (= FLARE).
- The **goal** remains: reach a realistic view of the future financial needs, taking into account the financial, human and technical resources available in the groups involved and in the funding agencies.
- In November, the annual CHIPP table will be **handed over to SER and SNF** (containing the projects from the actual table and others)

Agenda item 10: CHIPP Long-Term Financial Tables (2)

Results:

- **Compared to November 2011**, the overall funding requests for the period 2013-2016 have been **roughly cut in half**:
 - FORCE: 42 MCHF → 22 MCHF
 - FOLIS: 28 MCHF → 11 MCHF.
- The requested **FORCE funds** seem **not to be critical** for the first and just a little bit on the high side for the second period (115% and 142% oversubscription, respectively).
- In contrast, **FOLIS** – which has funds available only from 2015 onwards – is **highly oversubscribed** (429%) for 2015/16, and still three times oversubscribed for 2017-2020.

Claimed/calculated shares ('fair shares'?)
for CH projects over 2013-2020

FORCE part of FLARE
FOLIS part of FLARE

FTE distribution of 3 Professors
unknown for the 3 projects
bold red: requires > 30% of the available funding

funding: * known
** estimate
*** guess

		BG						BQ						BL						BV					
		2013-2016						2017-2020						2013-2020											
		FORCE		FOLIS		FLARE		FORCE		FOLIS		FLARE		FORCE		FOLIS		FLARE							
		Prof.	19'200*	25'000**	21'700	19'200**	6'000***	25'200	38'400	8'500	46'900														
		FTEs	kCHF	%	kCHF	%	kCHF	%	kCHF	%	kCHF	%	kCHF	%	kCHF	%	kCHF	%							
18	22	ATLAS	6	4'889.5	25.5%	0.0	4'889.5	22.5%	5'950.0	31.0%	0.0	5'950.0	23.6%	10'839.5	28.2%			10'839.5	23.1%						
33	38	CMS	7	6'520.0	34.0%	0.0	6'520.0	30.0%	8'120.0	42.3%	0.0	8'120.0	32.2%	14'640.0	38.1%			14'640.0	31.2%						
49	53	LHCb	4	3'522.8	18.3%	0.0	3'522.8	16.2%	2'934.4	15.3%	0.0	2'934.4	11.6%	6'457.2	16.8%			6'457.2	13.8%						
62	65	CLOUD	0.2	870.0	4.5%	0.0	870.0	4.0%	450.0	2.3%	0.0	450.0	1.8%	1'320.0	3.4%			1'320.0	2.8%						
74	78	OPERA	0.9	300.0	1.6%	0.0	300.0	1.4%	0.0	0.0%	0.0	0.0	0.0%	300.0	0.8%			300.0	0.6%						
89	94	T2K	1	0.0	0.0%	0.0	0.0	0.0%	0.0	0.0%	0.0	0.0	0.0%	0.0	0.0%			0.0	0.0%						
106	111	NA61	1	520.0	2.7%	0.0	520.0	2.4%	420.0	2.2%	0.0	420.0	1.7%	940.0	2.4%			940.0	2.0%						
123	128	LAGUNA-LBNO	1	2'120.0	11.0%	1'590.0	63.6%	3'710.0	17.1%	5'680.5	29.6%	6'692.0	111.5%	12'372.5	49.1%	7'800.5	20.3%	8'282.0	97.4%	16'082.5	34.3%				
138	141	EXO	1	0.0		670.0	26.8%	670.0	3.1%	0.0	0.0%	0.0	0.0%			670.0	7.9%	670.0	1.4%						
149	152	GERDA	0.3	0.0		228.0	9.1%	228.0	1.1%	0.0	0.0%	0.0	0.0%			228.0	2.7%	228.0	0.5%						
160	163	XENON	0.5	0.0		812.7	32.5%	812.7	3.7%	0.0	0.0%	378.0	6.3%	378.0	1.5%			1'190.7	14.0%	1'190.7	2.5%				
172	176	DARWIN	0.4	0.0		2'125.0	85.0%	2'125.0	9.8%	0.0	0.0%	2'578.0	43.0%	2'578.0	10.2%			4'703.0	55.3%	4'703.0	10.0%				
185	188	MAGIC	0.5	0.0		202.4	8.1%	202.4	0.9%	0.0	0.0%	202.4	3.4%	202.4	0.8%			404.8	4.8%	404.8	0.9%				
200	207	CTA	1.5	0.0		5'094.4	203.8%	5'094.4	23.5%	0.0	0.0%	6'320.0	105.3%	6'320.0	25.1%			11'414.4	134.3%	11'414.4	24.3%				
220	224	ICECUBE	1.1	0.0		0.0		0.0	0.0%	0.0	0.0%	0.0	0.0%			0.0	0.0%	0.0	0.0%						
239	248	Tier-2		3'262.0	17.0%	0.0	3'262.0	15.0%	3'816.0	19.9%	0.0	3'816.0	15.1%	7'078.0	18.4%			7'078.0	15.1%						
			26.4	22'004.3	114.6%	10'722.5	428.9%	32'726.8	150.8%	27'370.9	142.6%	16'170.4	269.5%	43'541.3	172.8%	49'375.2	128.6%	26'892.9	316.4%	76'268.1	162.6%				

2013-2016: Comparison with CHIPP Long-term financial estimates Nov 2011

	FORCE		FOLIS	
	kCHF	%	kCHF	%
Grand Total August 2012	22'004		10'723	
Oversubscription 2012		115%		429%
Grand Total Nov 2011	42'013		28'290	
Oversubscription 2011		219%		1132%
Moderation	20'009	104%	17'568	703%

Agenda item 10: CHIPP Long-Term Financial Tables (3)

Open points (to be discussed):

- Funding: for the two periods, the FOLIS pot is some 8 MCHF and 10 MCHF short.
 - Does the Swiss funding system have the potential (and the will) to make 18 MCHF available to the PP & ApP community in addition to the already envisaged support?
 - Should the Board start to investigate with SER on a massive increase of FOLIS funds, aiming at reaching approx. the same level as FORCE?
- New projects: Three new and large projects will reach full development speed in the 2013-2020 period. This requires a corresponding increase of manpower and technical resources in Switzerland.
 - Does the Swiss university system have the potential to embark on all three projects simultaneously?

Agenda item 10: CHIPP Long-Term Financial Tables (4)

Procedure:

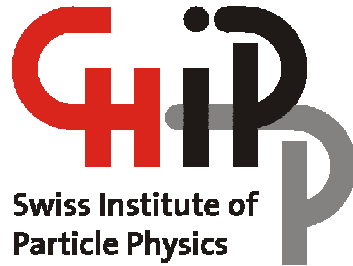
- use the 'FLARE share' table as basis for the discussion;
- discuss the open points re funding and new projects;
- establish the next steps in view of the preparation of the tables to be submitted in November to SER/SNF (the latter having expressed its explicit desire that CHIPP establishes them also in the future).

→ The Board is requested:

- to discuss the tables established on the basis of the input received from the projects;
- to provide answers and solutions for the open points;
- to assess the expected FLARE funds (= FORCE and FOLIS) against the sums earmarked for this purpose right now at SER/SNF.

Agenda Item 11: Technology Transfer: regular reports?

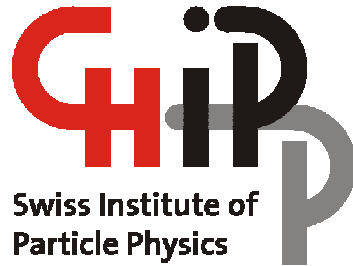
- Technology (and Knowledge) Transfer (T&KT) becomes more and more important (is declared a 'goal for Swiss research' in the 1985 Federal Ordinance on Research). This aim has been taken up explicitly in the SNF call for NCCRs.
 - The CHIPP Board is not informed on a regular basis about T&KT (last report in 2008).
 - The EB has discussed the matter and sees an interest in a more regular reporting in CHIPP.
- **The Board is requested:**
- to approve the introduction of a T&KT talk at every second Plenary, starting in 2013;
 - to entrust the Chair with bringing the matter up in the Board when required.



Agenda item 12: European Strategy for PP

Topics:

- CHIPP input paper from June;
- CHIPP input paper regarding strategy (as decided in June)
pro memoriam: composition of WG:
Kirch (Chair), Ereditato, Gehrman (has withdrawn), Wallny, Pohl, Schneider;
- Forthcoming all hands meeting in Cracow (report at the Plenary).



Agenda item 13: Scientific CERN Council Delegate

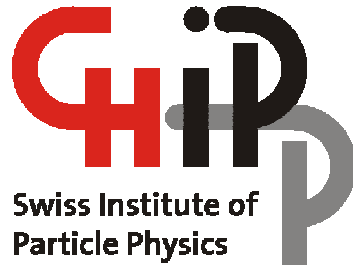
Introduction:

The Board in June has recommended to the SER two candidates for the succession of U. Straumann as Scientific CERN Council Delegate.

A few days ago, the SER has informed about its decision:

→ The Swiss Scientific CERN Council Delegate for the period 2013-2015 is Olivier Schneider.

Congratulations and best wishes for a fruitful cooperation and an intense two-way dialogue with CHIPP.



Agenda item 14: NCCR Universe

In January 2012, the Board had expressed its wish that the scientific work invested in the NCCR proposal should be used in a sensible way and that ways and means should be sought to make this work available to a larger public.

The printing office of PSI has agreed to produce a brochure (same style as the Roadmap implementation). Unfortunately, incompatibilities between the manuscript and the printing office have delayed the work. The publication can now be expected in 1 to 2 months time and will be made available to all Board members.

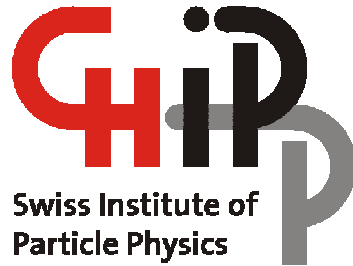
Agenda item 15: SCNAT (1)

- Funding requests:
 - CHIPP PhD School 15k
 - Outreach project Dialogue
(building up on 'Verflixtes Higgs' and
complementing the AGORA request) 10k
 - ApPEC annual fee (5 k€) 6 k
- Parrainage Maturaarbeiten

Agenda item 15: SCNAT (2)

- Bicentennial celebration 2015:
 - Several events over the year from three elements:
Travelling exhibition (at regional sub-centres); Swiss Scientific Forum with top class key note speakers focussing on networking and on young academics; celebration event (1000 guests).
 - Fundraising, planning & contacts with universities: 2012
→ web platform 'Collaboration' will be active in a few days
 - Proposals from universities for contributions to travelling exhibition 2013
 - SCNAT Service Centre supports participating universities.

→ CHIPP should be part of it



Agenda item 16: CHIPP Prize

- First year supported by a **Selection Committee** (G. Colangelo, M. Bourquin, A. Bay, P. Truöl).
- **8 (eight!) applications** received.
- Difficult selection process, as **several first class candidates**.
- Decision supported by **interviews with the three best placed candidates**.
- Winner will be officially announced at Plenary meeting and will present his work.

Agenda item 17: FLARE requests for 2013

- **Management** has been transferred from SER to **SNF**
- In 2012 call: SNF has introduced **new procedures**, a new FLARE panel, and has confirmed the LA FLARE (details → http://www.snf.ch/SiteCollectionDocuments/II_flare_call_2012_e.pdf)
- SNF has deliberately **NOT** created **final regulations**; allows for adaptations for the 2013 call (if needed)
- Fact sheet in preparation by CHIPP

Agenda item 17: FLARE requests for 2013 (2)

- **Main changes** (as extracted from call 2012):
 - **ONE** request per experiment
 - Requests to **continue with running** (and FORCE funded) experiments **in 2013**: hand in **request by 15 November 2012**
 - Requests to fund new experiments* **in 2014**: hand in **Letter of Intent ALSO by 15 November 2012**
 - FLARE panel (3 SNF Div. II, 3 experts) assesses eligibility
 - LA FLARE (1 SNF [Chair], 1 SER, 3 representatives from PP, ApP and astrophysics community) monitors evaluation, sets LT funding priorities.

*actually: even for funding of continued participation!

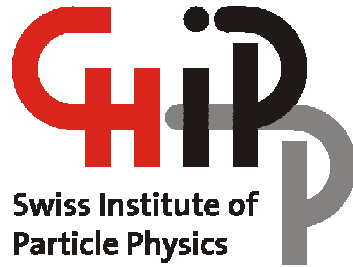
Agenda item 18: SwiNG bill 2013

- 2012: accommodated within the GRID FORCE request
 - 2013:
 - discussions ongoing at European level between SwiNG and EGI
 - it seems that part of the cost can be compensated by reimbursement for services rendered to EGI
 - Other part can be incorporated in the GRID FORCE request.
- ➔ Most probably: no additional costs at institute level

Agenda item 19: Outreach

Good news:

- **SER funds (58 kCHF) secured** with project ‘Verflixtes Higgs’ (concentrating on LHC, German speaking part of Switzerland, and pupils/teachers), see *www.teilchenphysik.ch*
- **AGORA request ‘Interactions’ handed in (200 kCHF)**: emphasis on young people using social media, interviews with physicists (to be uploaded), podium discussions involving representative of another discipline (incl. philosopher, novelist, theologian, ...). Decision: January 2013. Details at Plenary.
- **SCNAT request ‘Dialogue’ (10 kCHF) handed in**: builds up on ‘Verflixtes Higgs’ (extending parts of it to French speaking Switzerland), complements ‘Interactions’ with translating the webpage into French and Italian. Decision: January 2013



Agenda Item 20: Next Board Meetings

- **Board meetings 2013:**
31 January 2013 at Bern / PSI
Week September 2-6, 2013
(as part of the 3 day Plenary)

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Agenda Item 21: Next Plenary Meetings

- **Plenary 2012:**
13/14 September 2012; Kartause Ittingen
- **Plenary 2013:**
September 2-6

→
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block the
dates in
your diary**

