

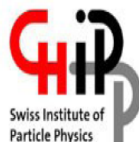


# CHIPP activities 2008 (1)

- finalisation and publication of the fact sheets in d, f, i, e (thanks to all supporters and contributors)
- Preparation of the R-ECFA meeting (tomorrow)
- ProDoc: new request prepared and submitted (special express thanks to M Pohl)
- PostDocs: one selection at UZH; presently we have 6 in total  
Atlas: Ge, Be, CMS: ETHZ, UZH, LHCb: EPFL, UZH
- new advertisement for 3 PostDocs with IT component for ATLAS (Ge), CMS (ETHZ), LHCb (EPFL). corresponding to the original plan.  
(→ see advertisement next slide)  
These PostDocs should be selected in common by the institutes working on the same detector, i.e. U.BE & U.GE for ATLAS, ETHZ & U.ZH for CMS, EPFL & U.ZH for LHCb.



## CHIPP activities (2)



## Swiss Centre for Advanced Studies in Particle Physics in the LHC Era

<http://www.chipp.ch/>

The Centre has been created by the Swiss Institute for Particle Physics (CHIPP) to coordinate and support the analysis and interpretation of data collected by the ATLAS, CMS and LHCb experiments, operating at the CERN Large Hadron Collider (LHC).

### Post-Doctoral Research Positions

CHIPP invites applications for three post-doctoral research positions to work on the LHC experiments currently in preparation at CERN.

Swiss groups have played a leading role in the design and construction of the ATLAS, CMS and LHCb experiments at the LHC. With the first collisions expected at the LHC during 2009, the groups intend to strengthen their contribution to data analysis aspects of these experiments. You will take a prominent role in one of the three LHC experiments with Swiss participation. You will be affiliated with the University of Geneva, EPF Lausanne or ETH Zurich. This is an excellent opportunity to influence analysis strategies and to make significant contributions to the physics output of the LHC experiments.

You will also participate in the supervision of PhD students.

In addition, the candidate is expected to be actively involved in supporting the computing software infrastructures in order to optimise the exploitation of the Swiss Tier-2 and the local Tier-3 centres for the benefit of the local research groups.

For more details about the present call please contact the respective group leaders directly by e-mail:

Atlas: University of Geneva: Prof. A. Clark: <Allan.Clark@cern.ch>

CMS: ETH Zurich: Prof. G. Dissertori: <disserto@phys.ethz.ch>

LHCb: EPF Lausanne: Prof. A. Bay: <aurelio.bay@epfl.ch>

The starting dates for these positions shall be as soon as possible after the closing date, at the latest 1 October 2009. The initial appointment is for two years. There is the possibility of a one year extension, depending also on availability of resources.

Applicants should send a full CV and publication list and the names and contact addresses of three referees by e-mail to the address below. **Closing date for applications is May 15th, 2009.** Candidates will be selected for the positions by the CHIPP admission committee based on the recommendations of the Swiss LHC group leaders.

Prof. Ulrich Straumann  
CHIPP chairman  
Physik - Institut Universität Zürich  
Winterthurerstrasse 190  
CH - 8057 Zürich  
Tel. ++41 44 635 5768  
e-mail: [chipp-jobs@physik.uzh.ch](mailto:chipp-jobs@physik.uzh.ch)

# CHIPP activities (3)

## Joint M&O request 2008 (JPR)

M&O Request 2008 – final – 20081120

	in kCHF	2009	2010	2011	2012	Total
<b>ATLAS</b>	<b>Total</b>	<b>252</b>	<b>244</b>	<b>268</b>	<b>251</b>	<b>1015</b>
	Cat. A:	157	153	183	166	659
	Cat. B	95	91	85	85	356
	<i>Cat. B: Silicon strip tracking (SCT)</i>	44	45	45	45	179
	<i>Cat. B: Inner detector (IDGEN)</i>	41	39	32	32	144
	<i>Cat. B: Liq. Argon calo. (LAR)</i>	10	7	8	8	33
<b>CMS</b>	<b>Total</b>	<b>496</b>	<b>541</b>	<b>515</b>	<b>522</b>	<b>2074</b>
	Cat. A	263	308	289	296	1156
	Cat. B	233	233	226	226	918
	<i>Cat. B: Pixel tracking</i>	102	102	102	102	408
	<i>Cat. B: El.magn. calorimeter (ECAL)</i>	131	131	124	124	510
<b>LHCb</b>	<b>Total</b>	<b>228</b>	<b>229</b>	<b>230</b>	<b>231</b>	<b>918</b>
	Cat. A	137	138	139	140	554
	Cat. B	91	91	91	91	364
	<i>Cat. B: Vertex locator (VELO)</i>	40	40	40	40	160
	<i>Cat. B: Silicon tracking (ST)</i>	51	51	51	51	204
<b>Sum</b>		<b>976</b>	<b>1014</b>	<b>1013</b>	<b>1004</b>	<b>4007</b>

Table 2: Swiss part of the maintenance and operation expenses in kCHF for the period 2009 – 2012. The numbers for 2009 are according to the approved budgets 2009, whereas the 2010 to 2012 numbers are best estimates. Switzerland as a CERN member state will not be charged on energy consumption.



# CHIPP activities (4)

## C-15: annual report 2008

### Goals reached

- Selection of 6 PostDocs (from 52 candidates)
- Organisation of CHIPP Winter School in Näfels, a workshop on Detector R&D in Geneva and a Workshop on neutrino physics in Zurich
- Attribution of CHIPP prize
- Outreach: trying to establish close links with the CERN Communication group;
- Outreach: fact sheets on Swiss contribution to LHC
- Matching funds: goal – 360 kCHF (120 kCHF / University); result – 310 kCHF (50 K shortfall from U.ZH)



CHIPP activities (5)

# C-15: annual report 2008

## Financial planning 2008-2011

### Expenditures

PostDocs hired (6)	1'998'138
PostDocs 2009 (3)	830'270
Administration	453'653
Total	3'282'061

### Income

Total available	3'300'000
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## CHIPP activities (6)

# C-15: annual report 2008

### Plans for 2009

- Selection of 3 PostDocs (with IT competence for collaboration with CSCS Manno)
- Submission of revised ProDoc application
- First annual report, first closure of the annual accounts
- Organisation of workshops on Higgs Boson Phenomenology in Zurich and Astroparticle physics at EPFL
- Organisation of CHIPP Winter School January 2010 in Ascona and of the January 2010 Workshop on High Energy Frontier in Zurich
- Attribution of CHIPP prize
- Outreach: LHC PR actions, Swiss industry day, improving the website of the CERN Communication group; Hamburg Hafengeburtstag; European Master Classes, ...
- Matching funds: continue efforts

# CHIPP activities (7)

## LA FORCE (1)

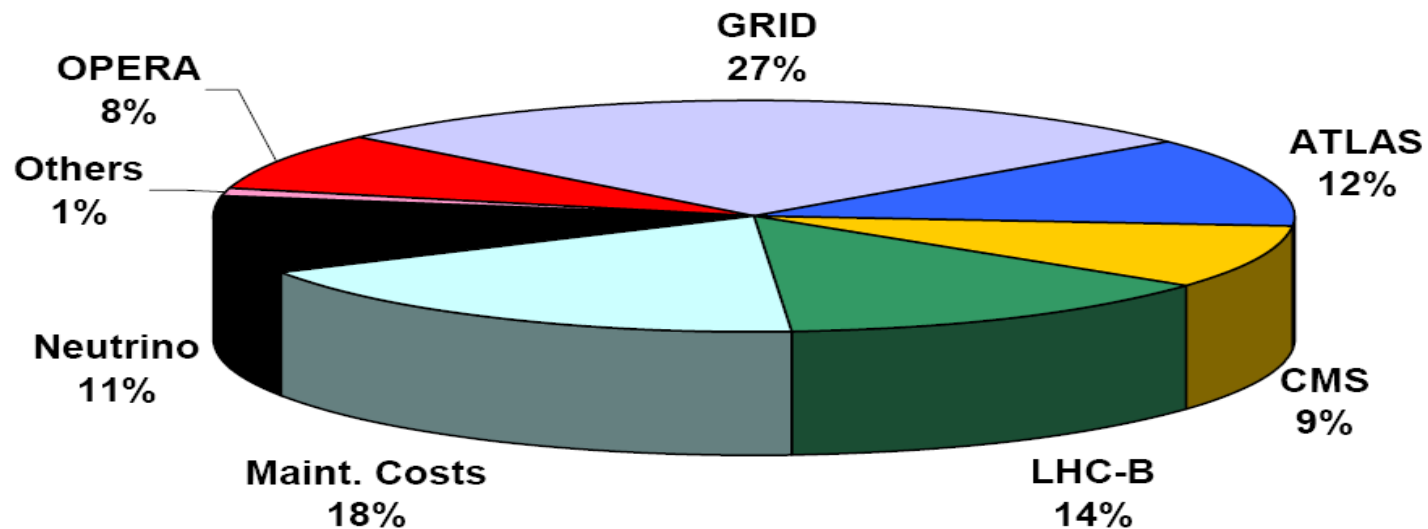
### Funding distribution 2008

GesNr.	Name	Titel	Experiment	Uni	Bewilligt CHF
206620-116118 (Zusatzbeitrag)	Pauss Felicitas	FORCE: The CMS Experiment at LHC	CMS	ETHZ	141'200
206620-119751	Amsler Claude	FORCE: Particle Physics at CERN	CMS/DIRAC	ZH	347'000
206620-121768	Ereditato Antonio	FORCE: Proton-proton collider physics with the ATLAS experiment	ATLAS	BE	250'000
206620-121949	Clark Allan	FORCE - Physics at the large hadron collider (LHC) at CERN	ATLAS	GE	345'000
206620-119844	Straumann Ulrich	FORCE: Construction of the LHCb experiment	LHCb	ZH	250'000
206620-119967	Schneider Olivier	FORCE: High Precision CP Violation Physics at LHCb	LHCb	EPFL	400'000
206620-119808	Grab Christoph	FORCE-GRID Computing infrastructure for LHC Experiments	GRID computing	ETHZ	1'296'200
206621-120262	Straumann Ulrich	FORCE: Maintenance and operation for the LHC experiments at CERN	Maint. Costs	ZH	859'000
206620-119962	Vuilleumier Jean-Luc	FORCE: A long baseline $\nu_\mu$ - $\nu_\tau$ appearance experiment in the CNGS beam from CERN to Gran Sasso	OPERA	BE	384'200
206621-119959	Blondel Alain	FORCE - Swiss groups contributions to the T2K experiment at CERN	T2K resp NA61 (Neutrino)	GE	370'400
206620-122040	Rubbia André	FORCE : Neutrino Physics at CERN	T2K	ETHZ	157'000
<b>Total 2008</b>					<b>4'800'000</b>

# CHIPP activities (8) LA FORCE (2)

## Funding distribution 2008

### FORCE 2008



■ ATLAS ■ CMS ■ LHC-B ■ Maint. Costs ■ Neutrino ■ Others ■ OPERA ■ GRID





# Total FORCE allocation, since 1998 (8b)

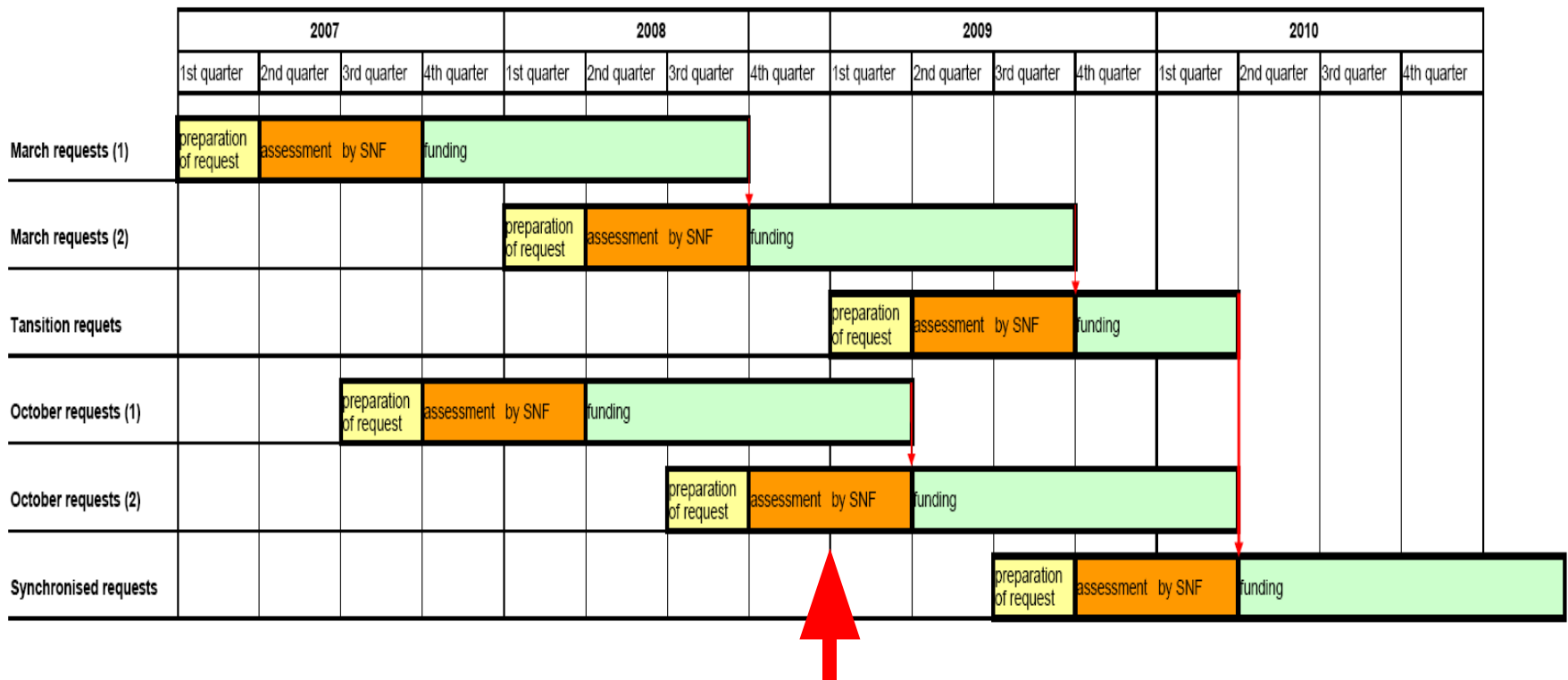
- ATLAS 12.46 MCHF
- CMS 9.23 MCHF
- LHCb 5.2 MCHF
- Grid ca. 2.5 MCHF
- M&O ca. 1.8 MCHF (2 years)
- OPERA 2.12 MCHF
- T2K/NA61 ca. 0.7 MCHF
- Other 2.62 MCHF (ICARUS, ATHENA, DIRAC, ...)

# CHIPP activities (9)

## LA FORCE (3)

### Synchronisation of FORCE requests

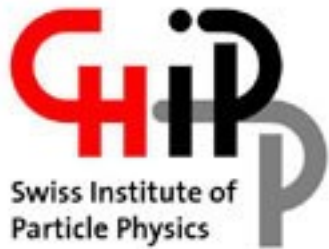
Scheme for submission of FORCE requests in view of a synchronisation





# CERN: Report from Council (1)

- **Council has accepted the creation of a WG on scientific and geographical enlargement (CH representatives: EDA [lead] and SER)**
- **Romania has been granted the status of “Candidate for Accession” with a probation period of 5 years**
- **Council has been informed about the applications of Israel and Serbia for membership and the requests of Pakistan, Turkey and Cyprus to become Observer.**



# CERN: Report from Council (2)

## Management structure

### **Directorate**

- Director-General: Rolf Heuer
- Director for Research and Computing: Sergio Bertolucci
- Director for Accelerators and Technology: Stephen Myers
- Director for Administration and General Infrastructure: Sigurd Lettow

### **External Relations**

- Co-ordinator for External Relations: Felicitas Pauss



# CERN: Report from Council (3)

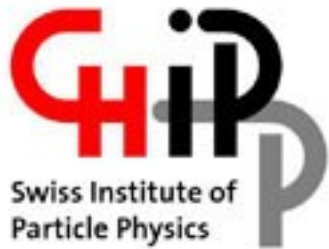
## Management structure (2)

### Heads of Departments

- **PH - Physics: Philippe Bloch**
- **IT - Information Technology: Frederic Hemmer**
- **BE - Beams: Paul Collier**
- **TE - Technology: Frédérick Bordry**
- **EN - Engineering: Vincent Vuillemin**
- **HR - Human Resources: Enrico Chiaveri**
- **FP - Finance and Procurement: Thierry Lagrange**
- **GS - General Infrastructure Services: Thomas Pettersson**

### Directorate Office

- **Isabel Bejar-Alonso, Ewa Rondio, Emmanuel Tsesmelis**



# Election SNF Forschungsrat

## Wahl in den Nationalen Forschungsrat

Der Nationalfonds (SNF) lanciert die Ausschreibung für die Wahl eines Mitglieds in den Nationalen Forschungsrat, das Einsitz in der Abteilung II nehmen wird.

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### Teilchenphysik

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Die Kandidatin oder der Kandidat sollte eine mehrjährige, hervorragende Forschungstätigkeit auf dem Gebiet der Teilchenphysik aufweisen. Sie oder er sollte an einem vom CERN bewilligten Projekt beteiligt sein. Ein breiteres Fachwissen in der Kernphysik, sowie der Nicht-Beschleuniger- und Astroteilchenphysik ist von Vorteil.

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Bei der Wahl wird zusätzlich zur wissenschaftlichen Kompetenz und zu den persönlichen Kriterien die personelle Zusammensetzung des Nationalen Forschungsrats berücksichtigt. Die verschiedenen Landesteile, universitären Hochschulen und Sprachgemeinschaften müssen im Nationalen Forschungsrat angemessen vertreten sein. Die interessierten Kandidatinnen und Kandidaten verfügen zumindest über passive Kenntnisse der Sprachen Deutsch, Französisch und Englisch, sind zeitlich hinreichend verfügbar für das Amt und haben ausgezeichnete Kenntnisse über die schweizerische Forschungslandschaft. Rektorinnen und Rektoren oder Präsidentinnen und Präsidenten von schweizerischen Hochschulen sowie Direktorinnen und Direktoren von schweizerischen Forschungsinstitutionen, die Forschungsmittel des Schweizerischen Nationalfonds einwerben, sind als Mitglieder des Nationalen Forschungsrats nicht wählbar. Im Einzelnen sind die Wählbarkeitsvoraussetzungen und Wahlkriterien im Wahlreglement für den Nationalen Forschungsrat geregelt.

([http://www.snf.ch/SiteCollectionDocuments/wahlreglement\\_d.pdf](http://www.snf.ch/SiteCollectionDocuments/wahlreglement_d.pdf))

Interessierte Personen werden gebeten, ihr Dossier (mit einem ausführlichen Bewerbungsschreiben, einem Curriculum vitae inkl. Publikationsliste und dem ausgefüllten beiliegenden Formular) an untenstehende Adresse zu senden. Eingabetermin für die Einreichung der Kandidatur ist der **31. März 2009**. Die Wahl findet am 18. September 2009 statt. Amtsbeginn ist der 1. Januar 2010 (Amtsdauer 4 Jahre, erneuerbar).

Kandidatinnen und Kandidaten können auch von wissenschaftlichen Organisationen mit Sitz in der Schweiz nominiert werden. In diesem Fall muss ihr Empfehlungsschreibung eine schriftliche Bestätigung der nominierten Person, eine allfällige Wahl anzunehmen, enthalten.

Der SNF strebt eine paritätische Vertretung der Frauen im Nationalen Forschungsrat an. Solange dieses Ziel nicht erreicht ist, erhalten Frauen bis zu seiner Erfüllung im Falle gleichwertiger Bewerbungen den Vorzug.

**Kontaktperson:** Dr. Paul Burkhard, Abteilung II, SNF, Wildhainweg 3, 3001 Bern, Tel. 031 308 23 23, [pburkhard@snf.ch](mailto:pburkhard@snf.ch)