

Agenda item 10: Report on CHIPP activities (Sept.-Dec. 2011)

1. CERN Council → U. Straumann
2. FORCE requests for 2012
3. LA FORCE → M. Pohl
4. Workshops (NNN11, ...)
5. Outlook for 2012

Agenda item 10.2: FORCE requests 2012

FORCE: amounts requested for 2012 in 15 requests (status November 2011)

version 16 Nov 2011

Project	Experiment	amount	Positions (FTE)		author
			FTE	amount	
FORCE 2012: Operation and upgrade of the LHCb experiment	LHCb	406.7	100%	100.7	Straumann
FORCE 2012: High Precision CP Violation Physics at LHCb	LHCb	421.7	100%	88	Schneider
FORCE Request: Operations and Upgrades of the Electromagnetic Calorimeter of the CMS experiment at the LHC	CMS	238.7	100%	127.7	Dissertori
FORCE Request: Operation and Upgrade of the CMS Barrel Pixel Detector	CMS	735.8	100%	128.8	Wallny
FORCE – Support for CMS Tier-3 Analysis Facility	CMS	116.9	66%	107	Grab
FORCE 2012: Particle Physics at CERN	CMS, AEGIS	221	0	0	Amsler
FORCE - ATLAS Detector Upgrades at the CERN Large Hadron Collider (LHC)	ATLAS	604.4	100%	119.4	Iacobucci
FORCE: Proton-Proton Collider Physics with the ATLAS Experiment at CERN	ATLAS	456.4	90%	121.4	Weber
FORCE – GRID Infrastructure for LHC Experiments	GRID	954.1	100%	126.6	Grab
FORCE: Maintenance & Operations for the LHC Experiments 2012	LHC	1020.3	0	0	Nakada
	ATLAS 269 CMS 495.3 LHCb 256				
FORCE 2012: Development, fabrication and testing of a prototype CLIC accelerating structure with damping material for higher order mode and wake-field suppression	LHC / CLIC	120	0	0	Rivkin
FORCE Experimental High Energy Neutrino and Particle Physics and Search for Dark Matter in the Universe at CERN		538.6	0	0	Rubbia
	T2K 39.3 ArDM 60.6 LAGUNA-GLACIER 438.8				
FORCE- NA61/SHINE Experiment, R&D on Neutrino Projects at CERN (MICE, AIDA, LAGUNA-LBNO)		275	0	0	Blondel
	NA61 132 MICE 30 AIDA+LAGUNA 113				
FORCE Request: OPERA	OPERA	466.3	90%	116	Vuilleumier
FORCE Request: Investigation of Secondary Organic Aerosol Formation in the PSI Smog Chamber and at CERN	Cloud	243.75	15%	17	Baltensperger
Total (15 requests)		6819.65	861%	1052.6	

Agenda item 10.3: Lenkungsausschuss FORCE

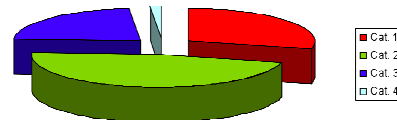
Meeting on December 5, 2011:

- SNF annual report FORCE 2011 (Blaser)
- Highlights and CHIPP planning tables 2010-2016 (Pohl)
distributed
- ETHZ, EPFL, PSI status of CERN projects (Baltensberger)
- Projections for 2012 (Blaser, Pohl, Straumann)
- Recommendations for 2012 priorities approved

FORCE Gesuche 2012

- Total Gesuche 6.8 MCHF
- 85% der möglichen Summe ausgeschöpft
- Nicht voll enthalten:
LAGUNA, AIDA (EU), AMS
- Obligator. Teil: 1.97 MCHF
- Verfügbar für nicht obligatorische Gesuche ~ 2.8 MCHF
- Total nicht obligatorische Gesuche ~ 4.8 MCHF
- Evaluert durch SNF

Klassifikation nach 2010 Prioritäten



Vorschlag FORCE Prioritäten in 2012

1. Priorität: Unterhalt, Betrieb und Computing der LHC Detektoren (Gemeinschaftsgesuche): M&O, Tier-2
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, LAGUNA (neu), AIDA); Beschleuniger R&D (CLIC, neutrino beams)
4. Priorität: Recognized experiments am CERN, von gleichem wissenschaftlichen Standard (Evaluation und Begleitung) wie CERN approved experiments

Agenda item 10.3: Lenkungsausschuss FORCE cont'd

- Future of LA FORCE:
 - Starting 2013, FORCE, FINES and “FOLIS” instrument will be joined under a common roof: **FLARE**
 - Unfortunate confusion: name FLARE retained to replace both name of “FOLIS” and of the common roof, must be revised (action: SER)
 - Handed over to SNF via Leistungsauftrag, rough financial frame and relative weight specified
 - LA FORCE → LA FLARE in 2013, with current members plus astronomy representative, invited by SNF(!)
- My financial estimates, **not confirmed**:

	2013	2014	2015	2016
FORCE	4.8M	4.8M	4.8M	4.8M
FINES	0.9M	1.2M	1.3M	1.4M
“FOLIS”	-	-	1.1M	1.4M

Agenda item 10.4: Workshops

- NNN11 (12th International Workshop on Next Generation Nucleon Decay and Neutrino Detectors),
7-9 November 2011, Zurich:
 - A very wide international attendance (98 participants from Europe, North America and Asia) and extremely high level talks.
 - A very fruitful Workshop (see also <http://neutrino.ethz.ch/NNN11/>)
 - co-organized by ETHZ and Berne
 - discussed future large scale detectors for research on nucleon decays and neutrino physics
 - consisted of invited plenary talks and a small number of contributed talks addressing specific topics

Agenda item 10.5: Outlook for 2012

Planned activities for 2012

- submission of the NCCR request
- preparation/delivery of the Swiss input to the European Strategy Session
- collecting the contributions from the Board Members
- setting up the Selection Committee for the CHIPP Prize
- preparation/submission of the report regarding particle and astroparticle physics in the context of the CRUS survey on costly infrastructures
- plus the usual things (CHIPP Prize, CHIPP tables, joint M&O request for LHC experiments, school, workshops)

Agenda item 10.5: Outlook for 2012 (2)

Workshops & Schools 2012

- Zurich Phenomenology Workshop, 9-12 January
- CHIPP PhD School, 22-27 January
- Workshop on Astroparticle and Neutrino Physics, 5/6 March **(cancelled)**
- DarkAttack2012: Dark Matter in particle physics, astrophysics and cosmology, 15-20 July
- ZuoZ Summer School, 19-25 August
- European Strategy Session, 10-12 September
- CHIPP Plenary, 13/14 September
- Detector R&D, fall

Details: http://www.chipp.ch/documents/activities2012_20111114.pdf