SFT News

Group Meeting, 23 October 2017

EP Retreat 2017

- The retreat took place last week in Abbaye de Talloires
- Presentations from experiments and support groups with the achievements in 2017 and and prospects for 2018
- Discussions of the budget and manpower plans

and manpower plans	14:30 ATLAS - Christoph Rembser (CERN)	14:20 FCC - Werner
* Future experiments: SHiP,	15:00 CMS - Tiziano Camporesi (CERN)	14:50 Physics highl
FCC	15:30 Coffee	15:20 Discussion a
	16:00 LHCb - Andreas Schopper (CERN)	
 Physics highlights 	16:30 LCD - Lucie Linssen (CERN)	
	17:00 Neutrino - Manfred Krammer (CERN)	
CERN EP	17:30 AGS - Catherine Decosse (CERN)	

	Thursday, 19 October 2017		Friday, 20 October 2017
		09:00	Strategic Developments for EP and CERN
09:30	Coffee	09:20	Budget discussion - Catherine Decosse (CERN)
10:00	Introduction - Manfred Krammer (CERN)		
10:20	ESE - Philippe Farthouat (CERN)	10:20	Manpower discussion - Ferdinand Hahn (CERN)
10:50	DT - Burkhard Schmidt (CERN)		(02.11)
11:20	SFT - Pere Mato Vila (CERN)	11:20	Coffee
11:50	SME - Michael Doser (CERN)	11:40	ATTRACT First Ideas
12:20	Lunch	12:10	TCs common issues
		12:40	Lunch
14:00	ALICE - Pierre Vande Vyvre (CERN)	14:00	SHIP - Thomas Ruf (CERN)
14:30	ATLAS - Christoph Rembser (CERN)	14:20	FCC - Werner Riegler (CERN)
15:00	CMS - Tiziano Camporesi (CERN)	14:50	Physics highlights of the year
15:30	Coffee	15:20	Discussion and conclusions
16:00	LHCb - Andreas Schopper (CERN)		
16:30	LCD - Lucie Linssen (CERN)		
17:00	Neutrino - Manfred Krammer (CERN)		
17:30	AGS - Catherine Decosse (CERN)		

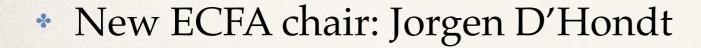
Strategic Developments for EP and CERN

- Operation of the LHC and experiments again beyond expectations
- LHC Phase 1 Upgrades
 - * ATLAS and CMS completing their upgrades
 - but ATLAS NSW, CMS pixel
 - * ALICE and LHCb undergo their major upgrade
- * HL-LHC
 - * Accelerator upgrade has been approved as a 0.95 bnCHF project
 - financed out of the annual CERN budget (short term loan)
 - ATLAS and CMS upgrades have to be ready with accelerator
 - * >0.5 bnCHF that have to be found in the Scientific Community
- Identify possible synergies inside and outside CERN
 - * Example AWAKE requires precision plasmas



Update of European Strategy for Particle Physics

- To appear in May 2020
- Secretary has been nominated: Halina Abramowicz



Laboratory Directors group chair: Leonid Rivkin







- Secretary will soon release the schedule and organisation of the update
 - expect thorough community discussion in 2019



Recognized Experiments

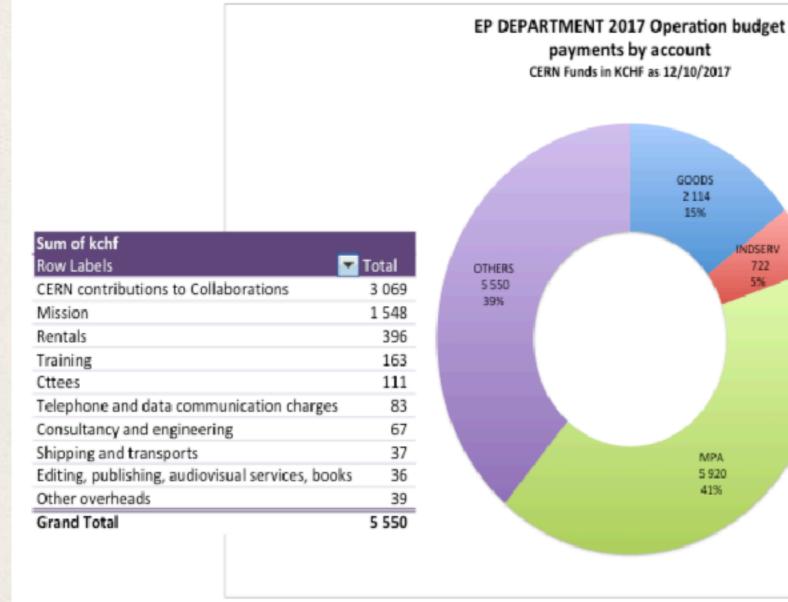
- Long list of experiments close to our physics
- experiment profit from the CERN infrastructure (conference rooms, computing, and sometimes (much) more
- provide new input to our physics discussion

Number	Experiment	First Recognized	valid until
RE 1	AMS	1997	31-DEC-2019
RE 2b	Pamela	1999	31-DEC-2018
RE 3	Auger	1998	31-DEC-2018
RE 6	Antares	1999	31-DEC-2019
RE 7	Fermi (former GLAST)	2000	31-DEC-2018
RE 8	LISA-PF	2000	31-DEC-2018
RE 10	IceCube	2005	31-DEC-2018
RE 11	MICE	2005	31-DEC-2018
RE 12	MEG	2005	31-DEC-2018
RE 13	T2K	2006	31-DEC-2018
RE 14	Katrin	2007	31-DEC-2019
RE 17	Magic	2008	31-DEC-2017
RE 18	ArDM	2008	31-DEC-2017
RE 19	CREAM	2010	31-DEC-2018
RE 20	Belle II	2011	31-DEC-2019
RE 21	СВМ	2011	31-DEC-2019
RE 22	Panda	2011	31-DEC-2019
RE 23	CTA-PP	2011	31-DEC-2017
RE 25	CALET	2012	31-DEC-2017
RE 26	Borexino	2012	31-DEC-2017
RE 27	NEXT	2013	31-DEC-2018
RE 28	Advanced Virgo	2013	31-DEC-2018
RE 29	DAMPE	2014	31-DEC-2019
RE 30	KM3NeT Phase 1	2014	31-DEC-2019
RE 31	Euclid	2015	31-DEC-2018
RE 33	LIGO	2016	31-DEC-2018
RE 34	JUNO	2017	31-DEC-2019
RE 35	SNO+	2017	31-DEC-2019



EP Budget

How do we spend our operation budget?



EP CERN Operation budget As of 12/10/2017 19.9 MCHF 18 MCHF committed mid October 14.3 MCHF paid

Sum of kchf	_
Row Labels ▼	Total
Scientific associates	2 361
Users	827
Doctoral students	792
Technical students	660
Project associates	598
Trainees	395
Administrative students	92
Guest professors	71
Visiting scientist	68
Cooperation associates	55
Grand Total	5 920



Age Profile





Manpower in Teams and Groups

	2017	2018	2019	2020	2021	2022
ATLAS	76.5	75.2	75.5	68.7	66.6	58.0
смѕ	77.5	78.3	78.2 +1	74.1 +2	65.6 +3	65.0 +4
ALICE	37.5	36.4	33.8 +1	32.8 +2	29.8 +3	28.0 +4
LHCb	38.5	39.8	39.0	37.6	34.4	33.0
EP-DT	82.3	81.6	78.3 +1	75.9 +2	70.1 +3	68.0 +4
EP-ESE	47.3	51.3	52.0 +1	51.0 +2	48.7 +3	48.0 +4
EP-SFT	21.9	23.3	24.0	22.3	21.4	21.0
EP-LCD	4.4	4.5	4.5	3.2	2.0	2.0
EP-NU	4.5	4.9	4.5	4.0	4.0	4.0
EP-SME	9.6	10.5	10.4	9.2	8.0	9.0
EP-AGS	30.3	31.1	30.3	30.5	30.3	33.0
EP-DI	6.2	11.5	24.7	40.2	63.6	24.0



Fellow Quotas

Group/Team	2018 Quota [m-m]	Get P
ALICE	57	12
ATLAS	114	12
CMS	114	12
LHCb	57	12
LCD / related FCC	100	
SME (all other Exp.)	65	
SFT	34	12
ESE	34	12
DT	34	12
Nu-PL	12	
Reserve + other	100	12



ATTRACT

- Initiative using EU funding to promote early stage development of next generation detection and imaging technologies
 - first phase 2018 2020 (miniATTRACT) has been selected for funding by EC
 - * Fostering co-innovations for future detection and imaging technologies (software is included)
 - 20 M€ to fund 180 proposals with 100 k€ each
 - General information session at CERN 30 October 2017 (4 page proposals)
 - Foreseen next phases (not approved yet):
 - second phase starting in 2020: best 6 or 7 projects from mini-ATTRACT to receive additional funding
 - * third phase ATTRACT (Maxi) starting in 2021: part of FP9

