

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)

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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*	2'500**	21'700	19'200**	6'000***	25'200	38'400	8'500	46'900	19'200**	6'000***	25'200	38'400	8'500	46'900	19'200**	6'000***	25'200	38'400	8'500	46'900	
		FTEs	kCHF	%	kCHF	%	kCHF	%	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%	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%	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%	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%

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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?

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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.