

CHIPP Board meeting

Welcome to the:

- Board members
- Honorary Board members
- Observers at the Board

Anna Soter (PSI)

New Board members:

Dr Andrii Tykhonov (UniGe)

Lea Caminada (PSI/UZH)

Martin Hoferichter (UniBe)

Prasenjit Saha (UniZH)

AnnaPaola De Cosa (ETHZ)

[Paolo Crivelli (ETHZ)]

Agenda item 1: Agenda

- The final Agenda has been distributed on 18-08-2020
- All documents have been made available on the password protected CHIPP board indico page.

➡ Agenda approved ?

Agenda item 1: Agenda

DISCUSSION ITEMS

- | | |
|---|------------------------|
| 4. European Strategy in Particle Physics | [RW] |
| for discussion | |
| 5. CHIPP Roadmap Updates | [RW] |
| for discussion | |
| 6. SNF presentation on new FLARE Call | [Valentina Gallo, SNF] |
| for discussion | |
| 7. FLARE discussion | [RW] |
| for discussion | |
| 8. CHIPP/CHAPS overlap projects: Gravitational waves | [GI] |
| for discussion | |
| 9. CHIPP Function and tasks – introduce term limits | [RW] |
| for discussion | |

Agenda item 2: Proxy Votes

- The following Proxies have been designated:

Malte Hildebrandt *for Stefan Ritt*

Michael Spira *for Adrian Signer*

Christoph Grab *for Adrian Biland*

Electronic vote

- Nicola Serra
- Anyone else ?

Agenda item 2: Apologies & Quorum

- ❑ The following apologies have been received:
- ❑ Board members with voting rights: 66
- ❑ Quorum (1/3 of Board): 22 votes, reached ?

Should be: 34 present + 3 proxy + 4 electronic vote

Agenda item 3: Minutes of the last meeting

- Final draft minutes of the CHIPP Board 2020-01 (27.02.2020) have been made available on www.chipp.ch together with the other Board documents
 - [link](#)
- ➡ **The Board is invited**
 - **to approve** the minutes of the last meeting
 - Base: Art. 27, litt. a; simple majority

Agenda item 4: European Strategy Update

- 1) Further discussion on Misha's presentation ?
- 2) Further discussion on Alain's presentation ?
 - ☐ Formation of a FCC-CH consortium ?
 - ☐ R&D FLARE (see later)
- 3) Any other feedback on ESPPU ?

Agenda item 5: Editorial Team Roadmap 2020

Editorial Team:

- Anna Syrla (high and low energy frontier pillar 1)
- Gino Isidori (theory)
- Günther Dissertori (tech transfer)
- Katharina Müller (outreach and education)
- Michele Weber (neutrino pillar 2)
- Mike Seidel / Lenny Rivkin (accelerator)
- Ruth Durrer (astroparticle pillar 3)
- Rainer Wallny (general structure, main editor, organizational lead)
- Angela Benelli (secretary)

Agenda item 5: Roadmap Writing Time Table

Zürich, 25 June 2020

Subject: deadline to establish the Roadmap of your communities

Dear colleagues,

I attended a meeting last week at SERI to discuss the status of the community roadmaps and the future steps. Despite the difficulties due to the pandemic, there is unfortunately no possibility to delay the process significantly. Indeed, the ETH-Board and swissuniversities need to be informed early enough about the content of the community roadmaps for consideration in their own strategic planning and for then being able to coordinate the writing of proposals for new or major upgrades of national infrastructures, which are due by the end of 2021.

The delivery of the *final* roadmaps is therefore still scheduled for 31st March 2021. Furthermore, a *preliminary but close to final* draft should be provided for information to the ETH-Board and to swissuniversities by the end of the year (31.12.2020).

I regret that there is no room for a less tight schedule and hope you will be able to cope with these constraints. Once the main text is more or less in place, please contact Marc Türlér for getting support with the layout, which should ideally follow the corporate design of SCNAT.

I thank you for your cooperation and wish you a smooth progress in the writing of your roadmaps.

With my best regards,

H.R. Ott

Milestones	Date
Rough page size, boxes, images known if to be printed by SCNAT	30.09.2020
Close to final text to SCNAT	30.11.2020
Close to final version for ETH Board and Swissuniversities	31.12.2020
Final Version	31.03.2021

Agenda item 5: CHIPP Roadmap Updates

- We have emphasized inclusiveness in writing the roadmap
 - The roadmap workshop provides the ideal platform to give input
- We may now be faced with a lot of editorial work in merging/condensing/consolidating/streamlining
 - Some of this can and should be achieved here, but focus on vision for the future
 - This can best be done by a smaller group of editors => editorial board
 - We assume their “editorial power” as part of their mandate
- A new draft would be circulated then have to be circulated prior to the 15 October board
- NB: Printing and graphics design possible at PSI ?

Agenda item 6: **CHIPP/Chaps overlap projects**

Convener: G. Isidori

Agenda item 7: SNF presentation on New FLARE Calls

- Dr. Valentina Gallo, SNF

FLARE discussion (1)

on priorities: EB considerations for discussion

- We are fortunate that in CH there are lot of resources available for fundamental basic research
- Still, the funding is not enough to make everything equally possible according to individual wishes
 - ❑ Research should be enabled for PI in principle (on "fair share" basis that allows proper participation on the project) – "no winners or losers"
 - ❑ The community needs to agree on priorities – all on a voluntary basis
 - ❑ A priority project can potentially enjoy more funding beyond "proper participation on the project"
 - ❑ The more priority projects, the less is available for the other projects
 - ❑ Proponents of priority projects bear a responsibility to explain why those projects deserve the status
 - ❑ The whole community / majority should be behind the priority decision – we share a common resource
 - ❑ None of this an automatism, the proposals still need to argue their science cases towards the FLARE panel and the burden is higher on the priority projects
- Beware of the "Tragedy of the Commons"

FLARE discussion (1)

on priorities: EB considerations for discussion

1. "Uncuttables" – deterministic cost, legal obligation
 - ☐ Does not get peer reviewed
2. "Fair Share Projects" – "regular" participation in an experiment
 - ☐ Participation should be made possible by FLARE (Ermöglichungskultur)
 - ☐ "Fair share" needs to be defined - for LHC this is a technical term, i.e. percentage of CH scientists holding a PhD (or authors) versus the total amount of scientists holding a PhD (or authors)
 - Communities are expected to provide this fair share to the operation and upgrade of the experiments
 - For upgrades, hardware deliverables (CORE in LHC parlance) are defined in cost books and the community should shoulder their "fair share"
 - Other metrics in other communities
3. Flagships: funding more than fair share is desired by Pis and the community
 - ☐ Project meets extra criteria or considerations justifying this status

FLARE discussion (1) on priorities

Table 2: properties of Flagship projects

- (i) Centrality to the field, how topical are the scientific questions addressed by the experiment
- (ii) Several CHIPP Board members involved as a rule. Exceptions possible if strong justification
- (iii) Flagship efforts should have some level of maturity, e.g. established costing (i.e. cost matrix) and usually a CDR or TDR at least in preparation.
- (iv) Long term commitment by the sponsoring institution(s)
- (v) Centrality within the CH landscape, i.e. PSI or CERN
- (vi) Established scientific or technological leadership of CH community
- (vii) Modest upgrades of running experiments should have high priority if the upgrade ensures improved and prolonged data taking.

No “autopilot” but guidelines for a rational and accountable decision why a project deserves Flagship status

Any other considerations missing ?

FLARE evaluation criteria

³ The following evaluation criteria are applied:

- a) The peer review of the proposals is based on the following evaluation criteria:
 - i. the international visibility of the Swiss participation in the experiment;
 - ii. the quality of the research to be carried out, and its significance for Swiss science;
 - iii. the scientific track record of the applicants and their experience in the domain of the proposal.
- b) The FLARE panel will additionally consider the following two evaluation criteria:
 - iv. the relative long term funding priority of the overall experiment as indicated by the representatives of the Swiss community to which the experiment belongs;
 - v. the long-term commitment to the overall experiment of the institutions employing the applicants.

- Q: FCC R&D proposal (see Board_01 in February) ?
 - A: “Regarding the FCC R&D, this will depend from the CHIPP priority. However, it is an eligible experiment for FLARE since the aim is the R&D for a major international experiment in particle physics.”
- ➡ Should keep the possibility open to submit a unified FCC R&D proposal in the 2nd call of 2021-24 (i.e. for 2022)

FLARE discussion (1) on priorities

- The EB makes a proposal in order to stimulate the discussion
- It can be altered and adjusted
- The ultimate outcome should be:

5.2 Role of the representatives of the Swiss research communities

The representatives of the three Swiss research communities involved (astrophysics, experimental particle physics and experimental astroparticle physics) communicate their long-term funding priorities before the meeting of the FLARE evaluation panel. They are mandated by these communities and must convey the opinion of their community as a whole.

NB: if we convey the message that everything should be funded as the same priority, the prioritization must and will be done elsewhere / downstream. This could theoretically and rationally happen but then we cannot complain if others prioritize.

FLARE priorities (2016)

- Priority 1

M&O

LHC Computing

- Priority 2

ATLAS, CMS, LHCb, CTA, XENON, DARWIN, T2K

- ☐ No Priority

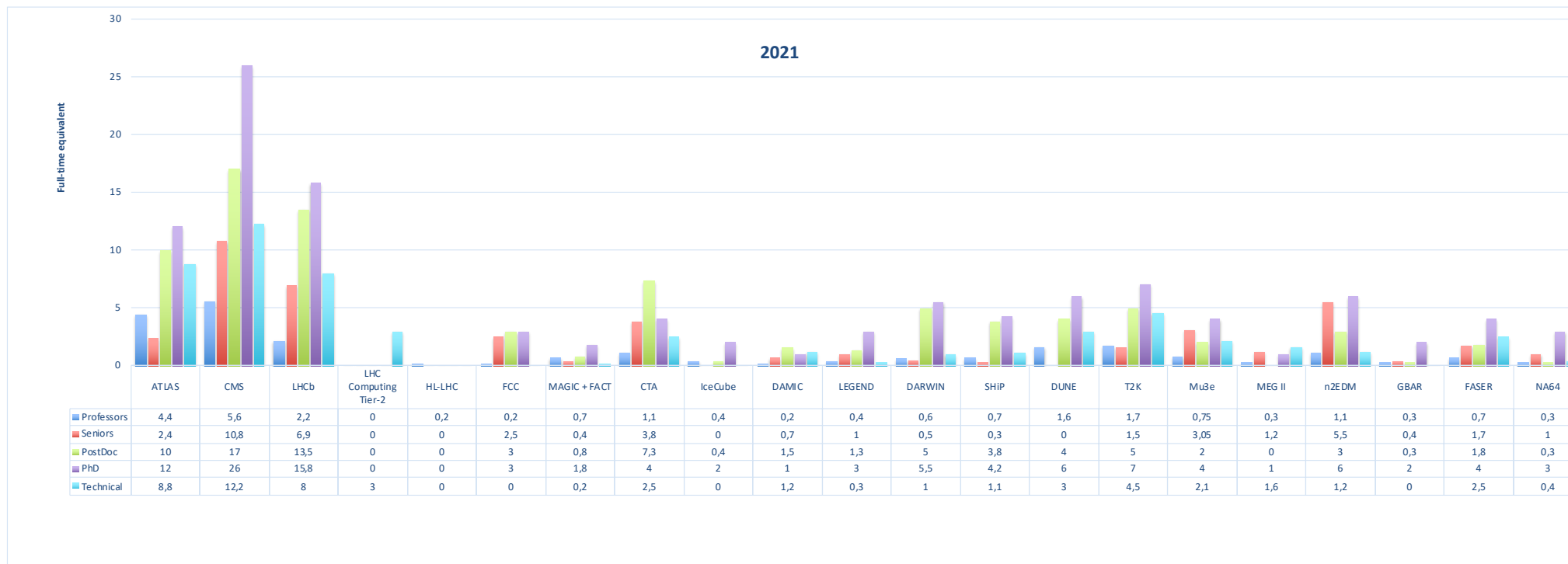
DAMIC, ArDM, LEGEND, SHiP, DUNE, Mu3e,
GBAR, IceCube, NA64, FASER, n2EDM

FLARE priorities (proposal)

Flare Funding Period 2021-2024

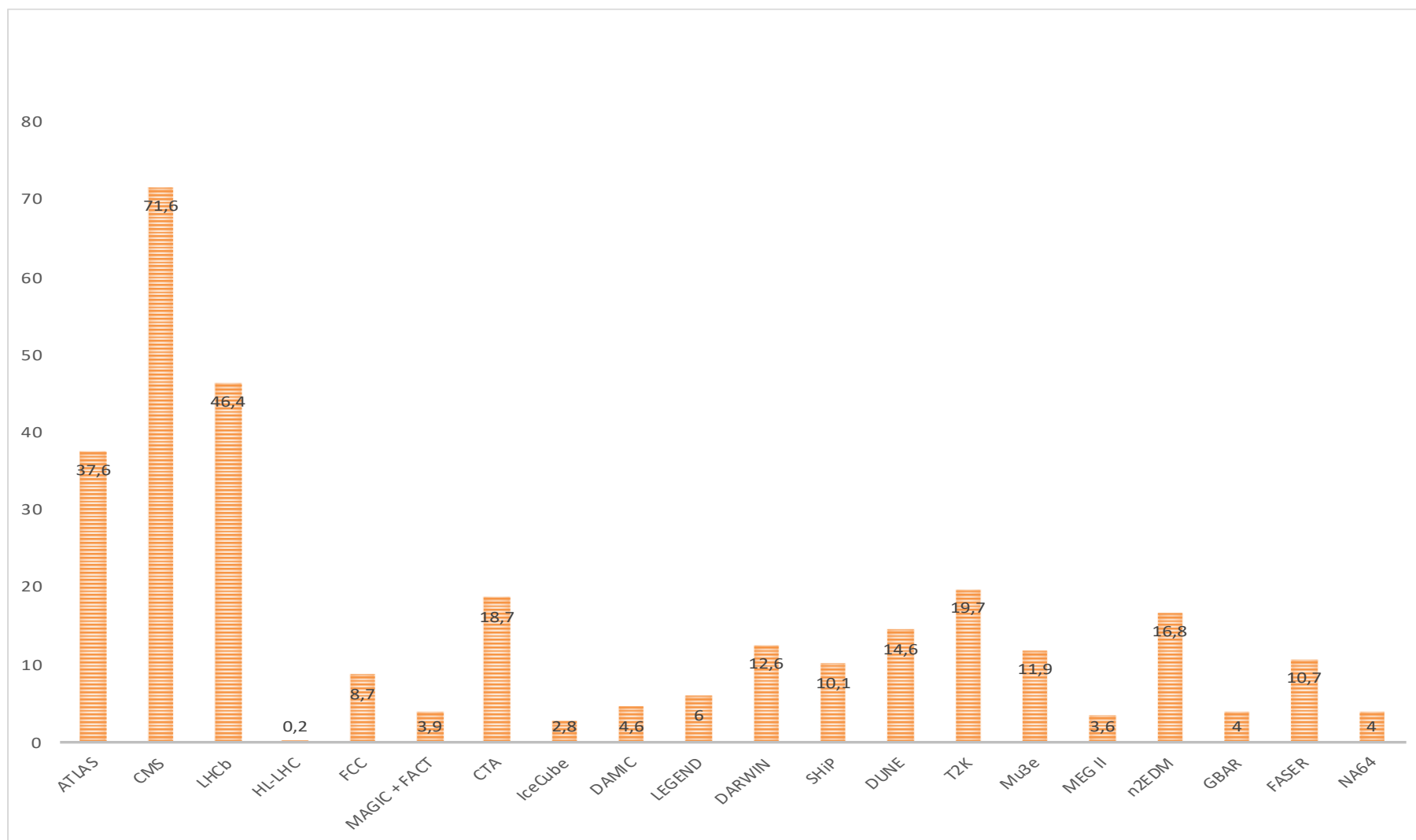
- Uncuttables
 - M&O, LHC computing operations (FTE + HW)
- Flagship projects
 - ATLAS, CMS, LHCb, LHC computing development, mu3e, LBN (DUNE & HyperK & T2K/Upgrade)
 - Darwin
- “FAIR SHARE”:
 - CTA, DAMIC, XENON, LEGEND, SHiP, GBAR, IceCube, NA64, FASER, n2EDM

FLARE Tables FTE: 2021

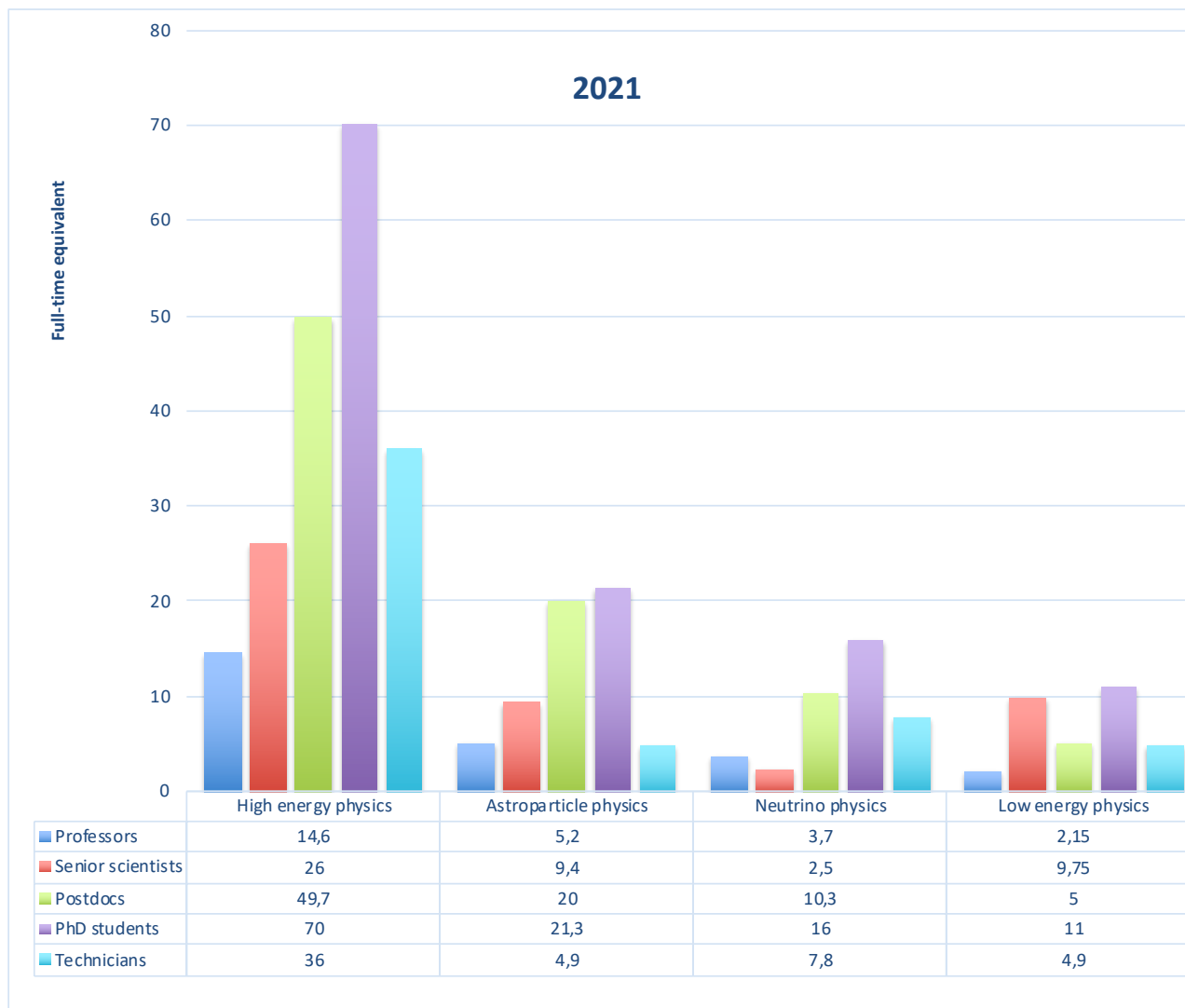


Senior = permanent scientific staff (no Prof) + non-permanent staff that is employed for a longer time

FLARE Tables FTE (2021) (Prof+Senior+PostDoc+PhD+Tech)

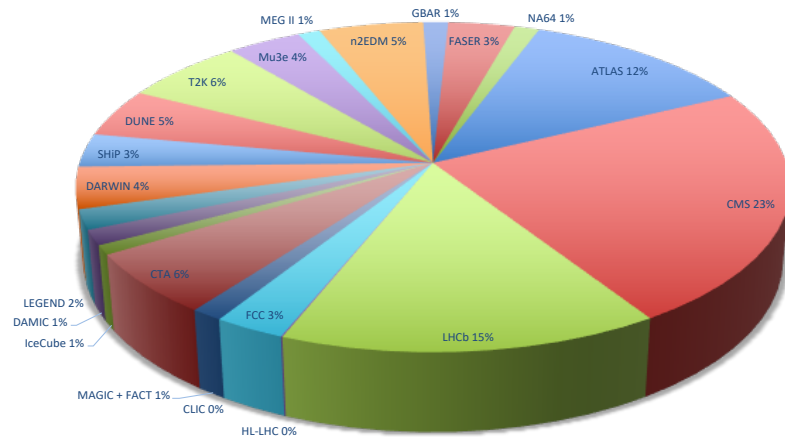


FLARE Tables: FTE/pillar

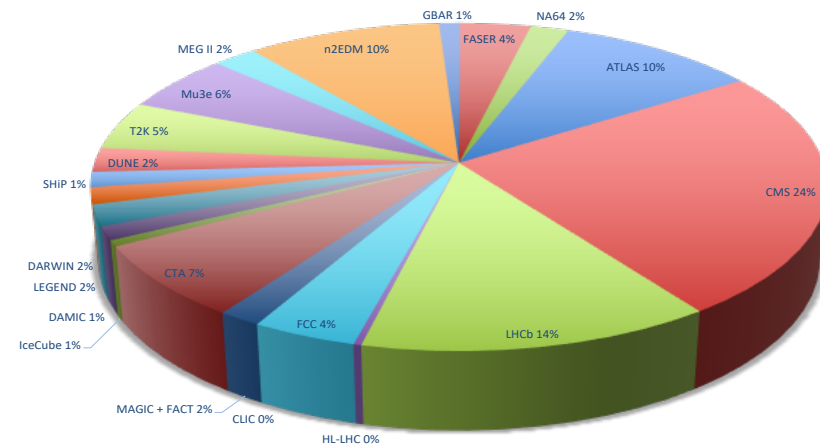


FLARE Tables FTE (2021)

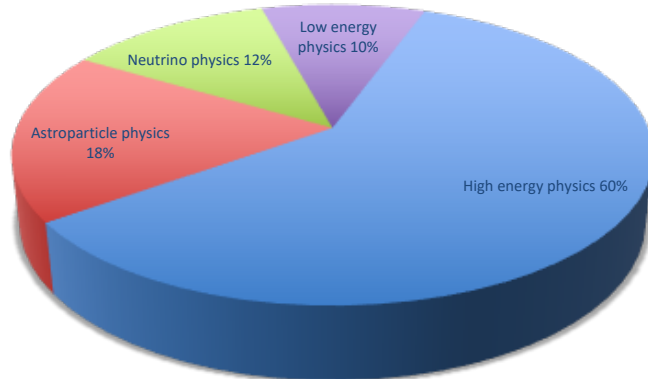
FTE (Prof+Sen+PostDoc+PhD+Tech)



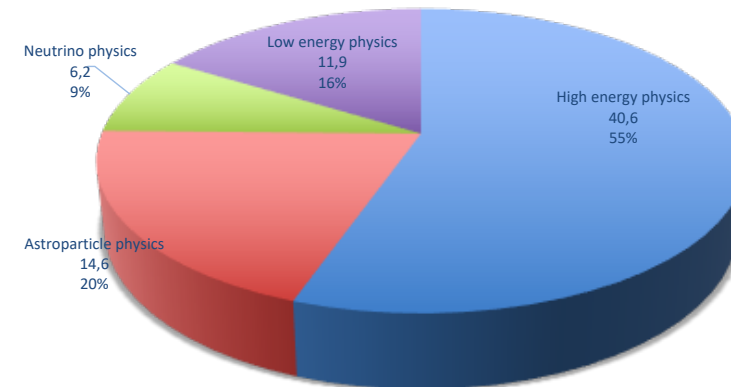
FTE (Prof+Senior)



FTE (Prof+Senior+PostDoc+PhD+Tech) per pillar



Professor+Senior FTE (2021)



Agenda item 9:

CHIPP Tasks and Functions

The EB propose to introduce a regular confirmation and re-election, without restrictions on the number of re-elections to the following responsibility position in CHIPP:

- outreach and education coordinator: 2 years limit (Jan 2021-Dec 2022);
➔ Open nomination
- computing board chair: 3 years limit (Jan 2019- Dec 2021);
➔ Mauro Donega
- the observer to CHAPS: 3 years limit (Jan 2021 – Dec 2023);
➔ re-election of Teresa Montaruli

In case the elected CHIPP members for these positions are not Board members, the EB propose to have them elected as ex-officio member of the board for the duration of their function.

The Board (applying Article 27, litt. e of the Statutes) is invited
to vote for this proposal

Required majority: simple

Agenda item 10: Status of new professorships

New professorships at CHIPP institutes

□ report from each institute:

- Basel
- Bern
- Geneva
- Zurich
- EPFL
- ETHZ
- PSI

Agenda item 12: A.O.B.

- News from the community
 - ☐ Any news or announcement to be communicated ?

- M. Seidel: the ECFA committee we received this inquiry from Jorgen.
The detector R&D panel is looking for proposals of experts

Organization to structure the consultation with the community

