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

- ▶ Goals
- ▶ Status of SUK request
- ▶ Organisation of the centre and milestones

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

Goal:

- strengthen the Swiss community to optimally exploit the LHC data
- introduced as an organisation within CHIPP

- More specifically we want:
  - attract outstanding PhD stud. and PostDocs (additional 20 PhD stud. and 10 PostDocs)
  - organize education for all Swiss PhD students (CHIPP goal)
  - organize regular workshops (physics, detector perf., computing)
  - LHC outreach to Swiss public

- This corresponds to some of the SUK - IKP goals:
  - support common projects to enhance visibility and excellence
  - support common PhD education programs
- We issued a request to SUK (according to § 2.2 of our constitution.)

> FTE as of 1. Jan. 2006:
> Swiss LHC
> 52 senior, 31 PhD stud.
> Total Swiss part. physics:
> 114 senior, 87 PhD stud.

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Status of SUK-IKP request:

(UniGe, UniBe, UniZH, EPFL, ETHZ)

- Request accepted in a two step procedure
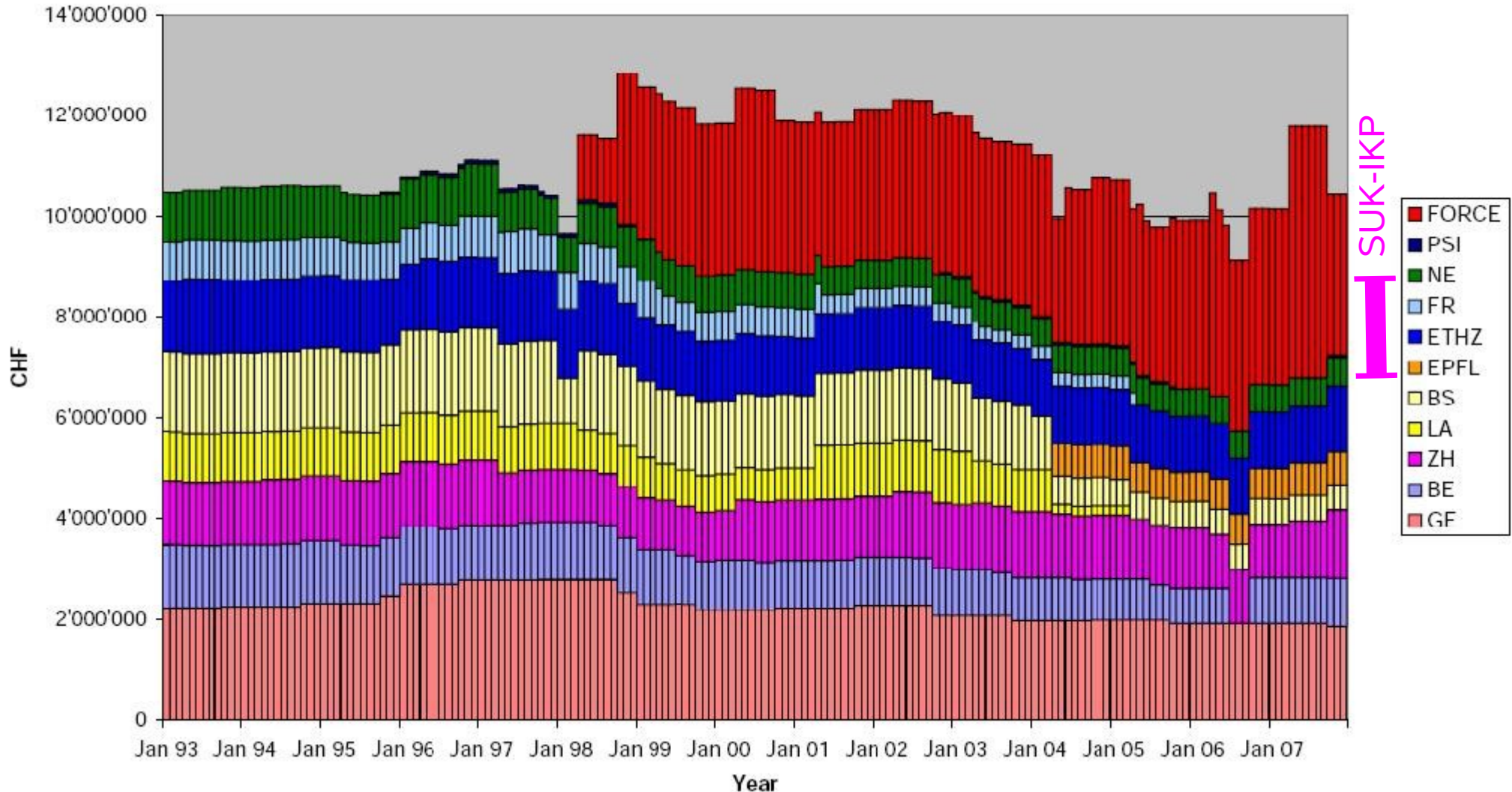
  Total money available for 4 years 2008 - 2011:
  - From CRUS   2'000 kCHF
  - From Unis   1'440 kCHF
  - From ETH-Rat   1'500 kCHF (6.6.07)

  To be asked through PRODOC (some CRUS money reserved)
  - PhD students salaries: 3'100 kCHF

- Rector Weder of Uni ZH: "it can not just stop in 2011"

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Next dates:

11. Oct. 2007: SUK decided on our request (excl. PRODOC)

1. Feb. 2008: Money starts flowing
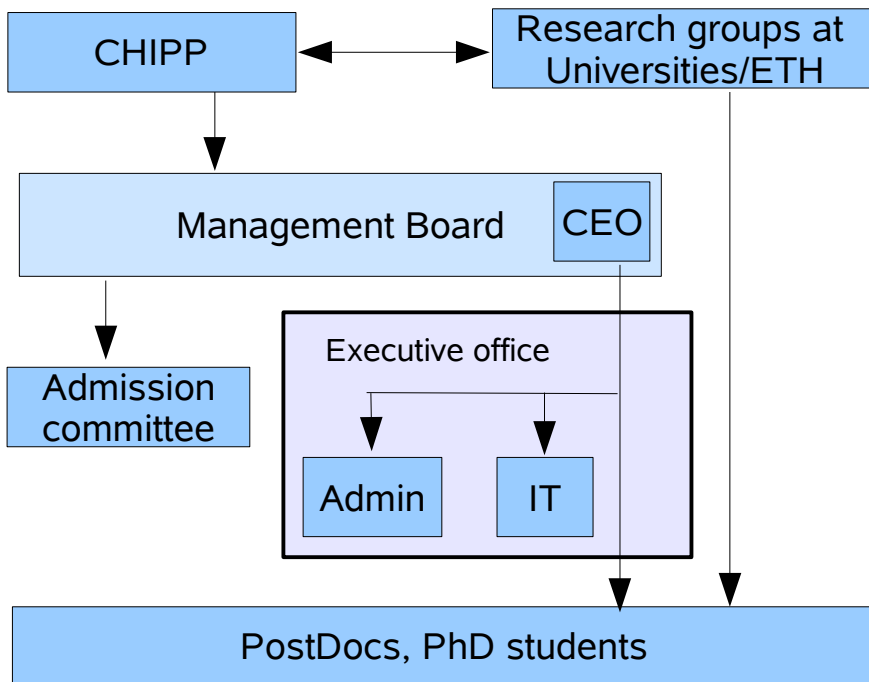
1. April 2008: deadline for PRODOC requests.

assuming half a year for PRODOC decision, the PRODOC money will not flow before autumn 2008

.
➤ PostDocs can be hired from February onwards
➤ Try to announce positions beginning of November
➤ Appoint CEO and secretary soon

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Organisation:

Milestones (draft)

Fill admin and IT positions	a.s.a.p.
First call for PostDoc appl.	1. Nov. 2007
Deadline	31. Dec. 2007
Teaching coordination with other schools settled	1. June. 2008
First lecture program defined	1. Sep. 2008
Start first PhD students	1. Oct. 2008
Start first lectures	Autumn Semester 2008
Next workshop on LHC physics	June 2008

Backup slides

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What is PRODOC?

- SNF supports graduate schools. Originally invented for humanities.

- AM: (Education module). represents the frame work of a PRODOC.
  needs to be asked for by a SNF request (similar to normal SNF)
  limited to 3 years, but possible to extend with an additional request
  can contain 12-20 students
  basically no money, except administration and lecturer travel money

- FM: (Research module): gives salary to PhD student.
  one request for each research topic (at most 3 students)
  for three years maximum
  at most 10 students per graduate school are funded by PRODOC

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Teaching

- open for all Swiss particle physics PhD students

- seek to become recognized graduate school by all universities / ETH

- it should be possible to get at least 12 ECTS credits, but students are allowed to acquire credits elsewhere

- Weekly lectures or block seminars: Advanced courses in phenomenological aspects of particle physics and specialised courses in connection with research field

- each student participates in at least one international physics school

- place for lectures: CERN? Railway station Berne? Rotating?

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