

INTRODUCTION

CHIPP roadmap workshop
April 2018



Strategic Workshops 2018

1. European Strategy for Particle Physics (ESPP) in May 2020
The Swiss contribution should be ready by early 2019 as input to this process
2. CHIPP roadmap is from 2004, implementation document in 2011
Update our community based recommendations / strategy

→ Update of the CHIPP Roadmap in 2018

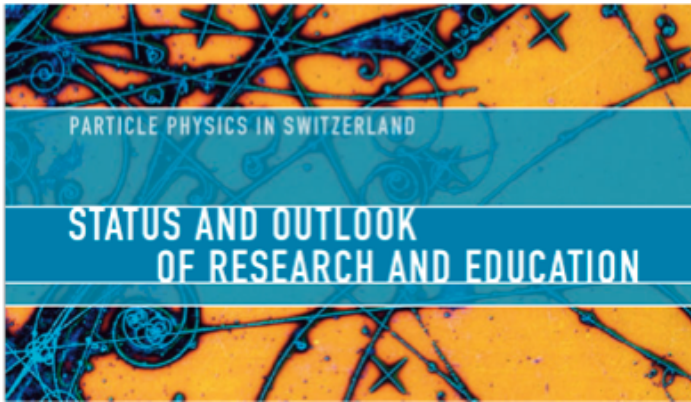
- Two strategic workshops
 - **3-6 April 2018**
Status of the fields, white papers, options, developments, planning
 - 13-14 September 2018
Define roadmap, priorities

European Strategy Update Timeline

- **Written community input** max 10 pages plus addendum by 18 December 2018
- Open Symposium in May 2019
- **Strategy drafting meeting** by the European Strategy Group in January 2020
- **1st Council discussion** on the draft Strategy in March 2020
- Approval of the new Strategy by a special session of the Council in May 2020

- **Submission by CHIPP?**
- **Preparing the CHIPP input to the CH Strategy Group member for the draft discussion?**
- **CHIPP comments on the draft to the CH Council delegate?**

Earlier roadmaps



May 2004 CHIPP roadmap

- Particle and Astroparticle physics
- Experimental and theoretical activities
- Outlook of activities
- Spin-offs
- Education and Outreach

Recommendations for each section
Defined three Pillars in the executive summary

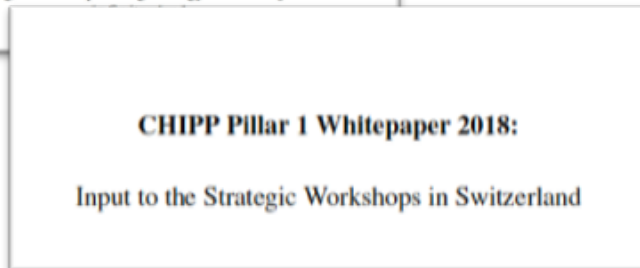
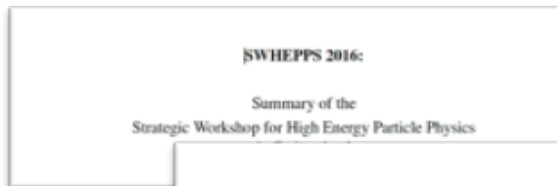
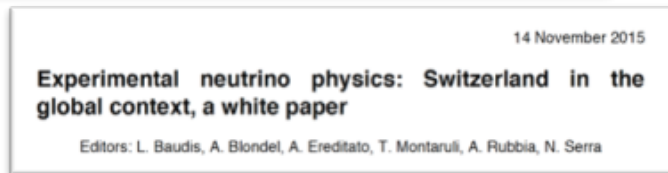
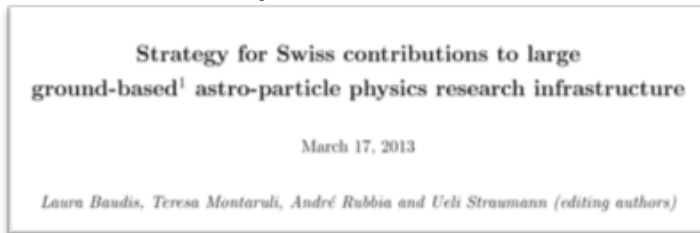


July 2011 Implementation document

- LHC started
- Plans large underground neutrino facility
- Relevance of PSI
- Accelerator R&D

Directly and indirectly relevant documents

CHIPP White-Papers



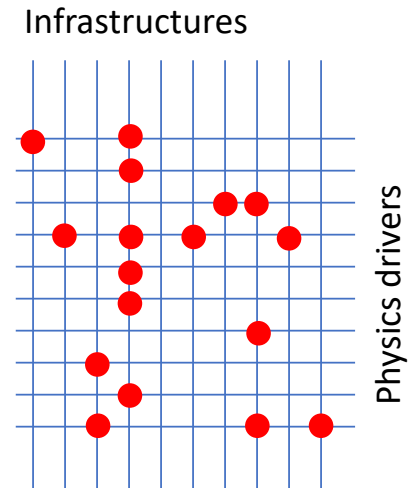
Roadmap Infrastrukturen SBF



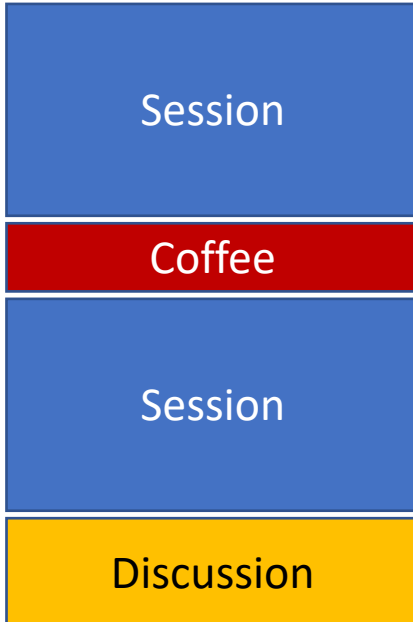
New RI roadmap being prepared

Goals

- September
 - Define the roadmap
 - Short overview of the status of the field(s), and Swiss efforts
 - A set of “recommendations” and/or ordered list of projects and/or at least a list of qualified options
- **April (this workshop)**
 - What are the physics drivers and what are the needs to achieve these ? And the interests of Swiss groups ?
 - What are the possible facilities and related timelines ?
 - What is the relation between the previous two bullets and how do we want to organize a roadmap, pillars ?
- The roadmap should cover the “next decade(s)”
 - Next 15 years (2035), with yet another 15 years (2050) in perspective



Meeting agenda



- Sessions on:
 - Higgs, BSM direct searches
 - BSM indirect searches, Flavour
 - Neutrino, Dark sector
 - Astroparticle, DM
 - Small scale large impact
 - Detector and Accelerator R&D
 - Computing
 - Infrastructures
- "Ample" time for discussion
- Summary and conclusion discussion session on Friday, to define:
 - Structure of the Roadmap
 - Plans and tasks for September

Invited talks: SERI (Intro session), CERN (Tue 17h), PSI (Thu 13h15)

Looking forward to a great workshop !