

Strategy Workshop on High-Energy Particle Physics in Switzerland

SWHEPPS 2016

7-9 June 2016, Seminarhotel am Ägerisee

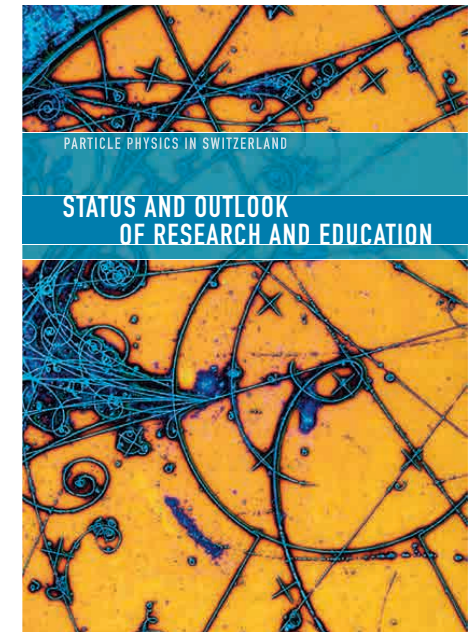


Welcome!

Welcome!

- Grüezi ['gryətsi]

- The three pillars of CHIPP
 - Particle physics (PP) at the High Energy and Intensity Frontier
 - Neutrino physics
 - Astroparticle physics (ApP) & frontier with cosmology
- Dynamic fields: key strategic decisions constantly ahead – continuous challenge
 - PP @ High Energy: main physics focus at HL-LHC post-LHC future (ILC, FCC ...)
Interplay with High Intensity Experiments
 - PP Neutrinos: Next long baseline facilities
 - ApP :Next generation facilities
- Consensus expressed in series of roadmaps & whitepapers and « pillar » workshops
 - Also taking into account international strategies (European Strategy, US P5 Strategy, ApPEC)



2004: initial roadmap
2011: roadmap update
**2013: white paper on
ground-based
ApP strategy**
**2015: white paper on
neutrino strategy**
201x: Pillar 1 whitepaper

Aim of the Workshop

- Take stock at the present state of the field in pillar 1 (comprising physics at the high energy and intensity frontiers)
- Identify key elements influencing our CH strategy for pillar 1 research in the next 5-10-15 years, or – failing to identify those now – define milestones when identifying those elements should become clearer.
- Act as kick-off meeting to prepare a Pillar 1 white paper on future activities, ideally to be finalized by the end of 2016 or early 2017.
- We do NOT foresee to discuss resources needed or available at this stage (even though they will play an important role)

Format of the Workshop

Final Programme V4 11.May 2016

	Day 1	Day 2	Day 3
7:30-9:00		Breakfast	Breakfast
9:00-10:30		Flavor Physics	New Accelerators: Facilities
10:30-11:00		Coffee	Coffee
11:00-12:30	Registration	Low Energy Physics	New Accelerators: Detectors
12:30-13:45	Buffet Lunch	Buffet Lunch	Buffet Lunch
14:00-15:30	Higgs Physics	Standard Model	Discussion: New Accelerators
15:30-16:00	Coffee	Coffee	
16:00-18:00	LHC Searches and perspectives	Theory including connections to other fields	Summary (16-17h)
18:00-19:30	Discussion: Status Searches at High Energy Frontier	Discussion: Connection to other fields	
20:00-22:00	Apero & Dinner	Dinner	

25+5min plenary talks: summarize status, raise questions.

Discussion sessions 90min to 2 hrs max.

Discussion sessions are lead by subset of convenors of the day - this is where a lot of the "work" (as in workshop) is done!

A special "thank you" for our external speakers enriching our CH internal discussion!

How-To: Internet Access and Talks, Registration

- In seminar room and hotel rooms, wireless is available:
 - Account Login: 2375530658
Password: 5637
- SWHEPPS Indico webpage (still being updated):
 - <https://indico.cern.ch/event/504502/>
- Scientific Secretaries: Marc Türlér, Mauro Donega
 - Contact them if you need help with upload of the talks
- PLEASE register as soon as possible - during coffee breaks
 - Please pay conference fee in cash (cash machines available)

How-To: Lunch and Dinner

- Breakfast is available from 7:00h – 9:00 (10) h
 - At your leisure
- Buffet lunch is open from 12:30h – 14:00h
 - At your leisure
- Dinner is served at 20h
 - 3 course menu served together – please be on time
 - Please indicate your participation in dinner on the sheet
- Conference fee covers mineral water (a discretion)
 - Please pay any other beverages cash/credit-debit/on room
- Welcome Aperero tonight at 19:30h sponsored by ETH IPP
 - At Terrace of Wilerbar (lower floor, two left)

How-To:Group Photo: Wednesday 13:45h

Location: Wiler Bar Terrace



- Scientific:
 - Marc Türler (turler@physik.uzh.ch, starting Wed)
 - Mauro Donega (mauro.donega@cern.ch)
 - Rainer Wallny (rwallny@phys.ethz.ch)
- Administration: (swhepps2016@phys.ethz.ch)
 - Gabriela Amstutz
 - Caroline Keufer-Platz
- General contact number: +41 75 411 88 29

Welcome!

We are looking forward to a
High energy high intensity workshop!



Swiss Academy of Sciences
Akademie der Naturwissenschaften
Accademia di scienze naturali
Académie des sciences naturelles

BACKUP

- Zugerstrasse 24 Raiffaissen
- 26 Zuger Kantonalbank
- 28 Post

Session Convenors

- (1) Higgs + (2) SM:
Florenca Canelli, Michele Weber
- (3) LHC searches and perspectives:
Ben Kilminster, Tobias Golling
- (4) Flavor/Flavor BSM + (5) Low Energy
Adrian Signer, Klaus Kirch, Olivier Schneider
- (6) Theory + BSM Connections to other fields:
Gino Isidori, Ricardo Ratazzi, Thomas Gehrmann
- (7) Future Accelerators
Lenny Rifkin
- (8) Future Detectors
Roland Horisberger, Sergio Gonzales