

Strategy Workshop on High-Energy Particle Physics in Switzerland

SWHEPPS 2016

7-9 June 2016, Seminarhotel am Ägerisee





Welcome!

7-9 June 2016 SWHEPPPS Workshop 2016 2



Welcome!

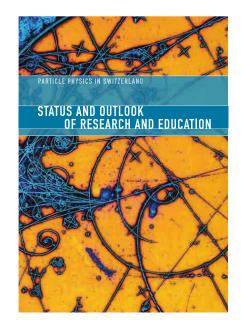
Grüezi ['gryətsi]

7-9 June 2016 SWHEPPPS Workshop 2016



The role of CHIPP

- 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

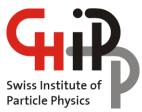
neutrino strategy

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 1/4 211. May 22016 2

?	Day 12	Dayını	Day ® ?
????:30-9:00?	?	Breakfast⊡	Breakfast [™]
79 :00-10:30 2	[PP]	Flavor Physics 2	New Accelerators: Facilities 2
10:30-11:00፻	37 0	Coffee₪	Coffee₪
11:00-12:302	Registration?	Low Energy Physics ?	New Accelerators: Detectors m
12:30-13:452	Buffet狙unch②	Buffet 1 unch 2	Buffet 1 Lunch12
14:00-15:30፻	Higgs : Physics?	Standard Model 2	Discussion: New Accelerators
15:30-16:00፻	Coffee	Coffee [□]	
16:00-18:002	1LHC S earches 2 and 2 perspectives 2	Theory Including Itonnections I to Ito ther I fields I	Summary₫(16-17h)᠓
18:00-19:302	Discussion: Status Searches Bat ② High Energy Frontier ②	Discussion: ©Connection ©to ©ther © fields ©	?
20:00-22:002	Apero 2 Dinner 2	Dinner₪	?

?

25+5minplenary dalks: Bummarize status, daise questions. 22

Discussionsessions 90min 1022 1hrs 1max. 2

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!



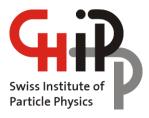
How-To: Internet Access and Talks, Registration

- In seminar room and hotel rooms, wireless is available:
 - Account Login: 2375530658Password: 5637
- SWHEPPS Indico webpage (still being updated):
 - https://indico.cern.ch/event/504502/
- Scientific Secretaries: Marc Türler, 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 Apero 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





Support Team

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



Welcome!

We are looking forward to a

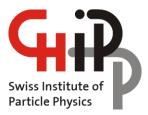
High energy high intensity workshop!







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



BACKUP



Bancomat

- Zugerstrasse 24 Raiffaissen
- 26 Zuger Kantonalbank
- 28 Post

Swiss Institute of Particle Physics

Session Convenors

- (1) Higgs + (2) SM:
 Florencia 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