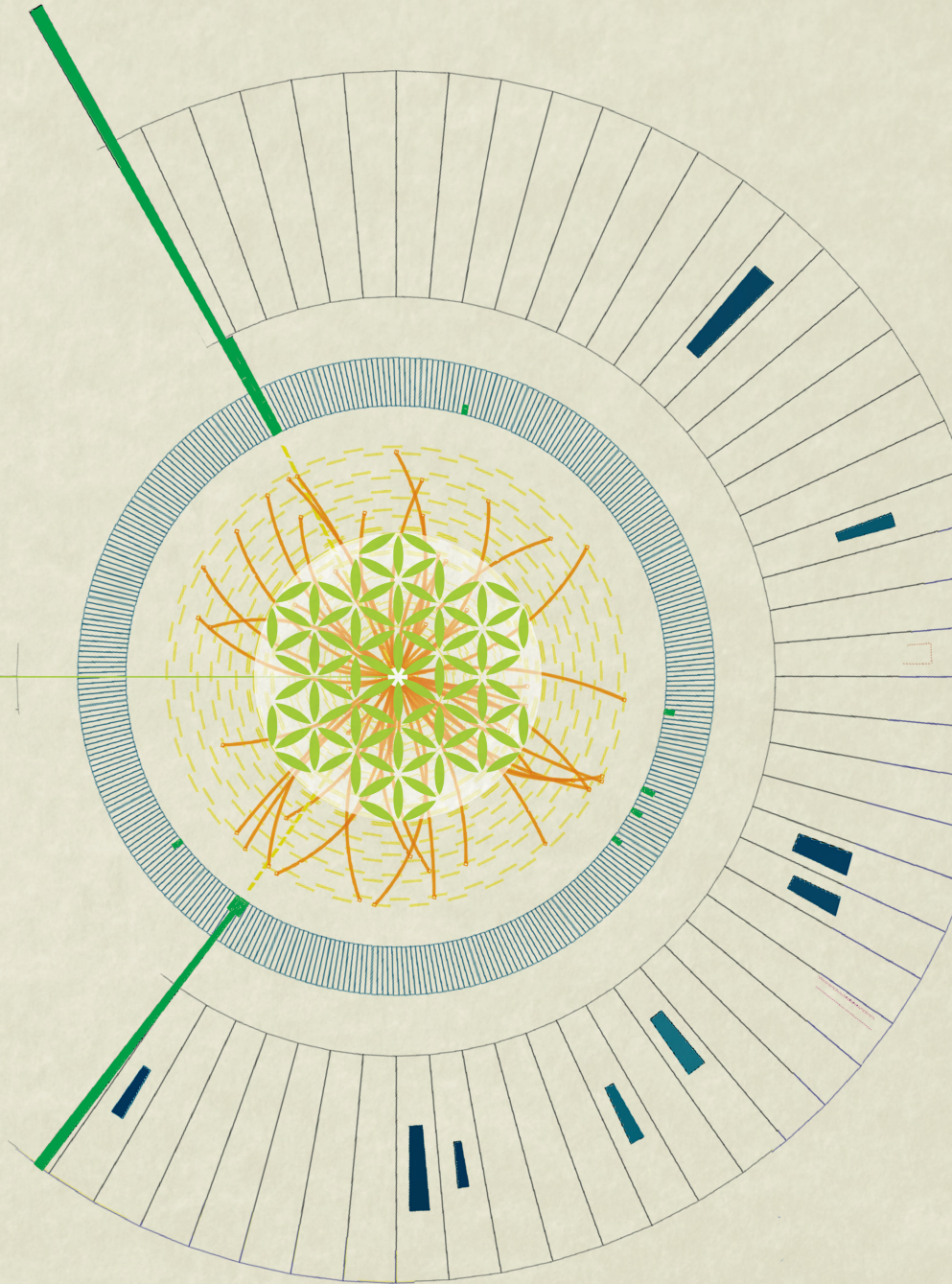


Latsis symposium 2013

3-6 June

Zurich, Switzerland

Nature at the energy frontier



<http://latsis2013.ethz.ch>

The event display is a courtesy of CERN (©CERN)



ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich



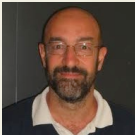
Universität
Zürich

PAUL SCHERRER INSTITUT

PSI

Monday, June 3

Auditorium Maximum, ETH HG

9:30-10:30		Registration & coffee
10:30-10:40		Welcome from the organizers
10:40-10:50		Address from the ETH president Ralph Eichler ETH president
10:50-11:00		Address from the Latsis Foundation Dusan Sidjanski Latsis foundation & U. Geneva
11:00-11:45		The LHC accelerator: challenges, achievements and the future Stephen Myers CERN
11:45-12:30		The quest for the Higgs boson at the LHC: highlights and future perspectives. Tejinder Virdee Imperial College
12:30-14:30		Lunch break
14:30-15:15		New physics searches at the LHC: the SUSY perspective Paris Sphicas U. Athens & CERN
15:15-16:00		Beyond the Standard Model searches at the LHC Henri Bachacou Saclay
16:00-16:45		Coffee break
16:45-17:30		Theory evaluation of LHC data for Physics beyond the Standard Model Riccardo Rattazzi EPFL
17:30-18:15		The LHC detectors: challenges, achievements and the future Roland Horisberger PSI
20:00-21:00		Public Lecture Nature at the energy frontier David Gross UC Santa Barbara

Tuesday, June 4

Auditorium Maximum, ETH HG

9:00-9:45



Low energy precision experiments

David Hertzog

U. Washington

9:45-10:30



From low to high energies

Andrzej Czarnecki

U. Alberta

10:30-11:10

Coffee break

11:10-12:30

Young Scientist Forum

Boris Mangano The CMS Particle Flow Algorithm
ETH Zurich

Michel De Cian Angular analysis in $B \rightarrow K^* \mu \mu$ decays with LHCb
U. Heidelberg

Kristof Kreutzfeldt ATLAS Luminosity measurements
U. Giessen

Angela Papa Recent results from the MEG experiment
PSI

12:30-14:30

Lunch break

14:30-15:15



Probing the Standard Model at the LHC

Kevin Einsweiler

LBNL

15:15-16:00



Perturbation theory at the LHC

Kirill Melnikov

J. Hopkins

16:00-16:45

Coffee break

16:45-17:30



Event simulation at the LHC

Bryan Webber

U. Cambridge

17:30-18:15



Theory perspectives on future accelerators

Michelangelo Mangano

CERN theory

19:30-23:00

Symposium Banquet
Kongresshaus Zurich

Wednesday, June 5

Main Aula, UZH KOL

9:00-9:45



Neutrino physics: Status and prospects

Alexei Smirnov

ICTP Trieste

9:45-10:30



Heavy Ion physics

Urs Wiedemann

CERN theory

10:30-11:10

Coffee break

11:10-12:30

Young Scientist Forum

Ciaran Williams Event by event weighting at NLO
Fermilab

Joao Pires Jet production at the LHC in NNLO QCD
ETH Zurich

Claude Duhr Precision predictions for Higgs production
ETH Zurich

Aldo Antognini Lamb shift in muonic hydrogen and the proton radius
ETH Zurich

12:30-14:30

Lunch break

14:30-15:15



Connecting inner space and outer space: LHC and the Universe

Subir Sarkar

U. Oxford

15:15-16:00



Direct searches for DM: status and future

Elena Aprile

Columbia

16:00-16:45

Coffee break

16:45-17:30

Young Scientist Forum

Alex Kish Dark Matter Search with the XENON100 Experiment
ETH Zurich

Phillipp Mertsch A cautionary tale of dark matter indirect searches
SLAC

17:30-18:15



The future of high energy frontier

Peter Jenni

CERN

Thursday, June 6

Main Aula, UZH KOL

9:00-9:45



Heavy flavor physics at the LHC

Ulrik Egede

Imperial College

9:45-10:30



Flavor physics

Martin Beneke

T.U. München

10:30-11:15

Coffee break

11:15-12:15



A Knot's tale

Julia Collins

U. Edinburgh

Three great men, two smoking boxes, one brilliant wrong idea...

12:15

Group photo for the Symposium

12:30-14:30

Lunch break

14:30-15:15



Exact, broken and approximate symmetries

Anthony Zee

UC Santa Barbara

15:15-16:00



The dream of Grand Unified Theories and the LHC

Graham Ross

U. Oxford

16:00-16:45

Coffee break

16:45-17:30

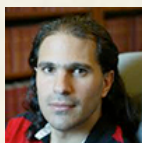


String Theory and the Future of Particle Physics

Erik Verlinde

U. Amsterdam

17:30-18:15



Guiding principles for building a theory of elementary particles.

Nima Arkani-Hamed

IAS Princeton

18:15-18:30

Closing statement