

Session Program

Oct 16 - 18, 2013



KSETA Doktoranden Workshop 2013

Parallel Session

Waldhotel Zollernblick

Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/

Thu, October 17

9:00 AM

Parallel Session: IT and data treatment: CouchDB, RooFit and git

Session |

Location: Waldhotel Zollernblick, Reception Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Dr Fridtjof Feldbusch

09:00 – 10:00

Data analysis by using the database CouchDb

Speaker

Mrs Cecile Kefelian

10:00 – 10:15

Kafeepause

10:15 – 11:15

Introduction to RooFit

Speaker

Mr Lukas Hehn

11:15 – 11:30

Kafeepause

11:30 – 12:30

Distributed version control and why *you* want to use it

Speaker

Mr Matthias Vogelgesang

12:30 PM

9:00 AM

Parallel Session: Technology: Semi Conductor Detectors, Electronics for Physicists and Kryo Technology

Session |

Location: Waldhotel Zollernblick, Fireplace Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Ms Juliane Raasch

09:00 – 10:00

Electronics for physicists and measurement uncertainties

Speakers

Mr Bernhard Siebenborn, Mrs Simone Rupp

10:00 – 10:15

Kaffeepause

10:15 – 11:15

Halbleiterdetektoren

Speakers

Mr Martin Printz, Mr Stefan Heindl

11:15 – 11:30

Kaffeepause

11:30 – 12:30

Supraleiter und Kryotechnik

Speakers

Mrs Carolin Heidt, Ms Juliane Raasch

12:30 PM

9:00 AM

Parallel Session: Theoretical and computational tools for data analysis: Cosmic Ray Detectors, COMSOL, FPGAs

Session |

Location: Waldhotel Zollernblick, Main Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Dr Magnus Schlösser

09:00 – 10:00

Digital Signal Processing for Radio Detection (e.g. of Cosmic Rays)

Speakers

Mr Dmitriy Kostunin, Mr Dmytro Rogozin, Mrs Olga Kambeitz, Mr Roman Hiller

10:00 – 10:15

Kaffeepause

10:15 – 11:15

Data analysis in hardware -- a tutorial on VHDL and FPGAs

Speakers

Mr Christian Amstutz, Mr Steffen Bähr, Mrs Tanja Harbaum, Mr Uros Stevanovic

11:15 – 11:30

Kaffeepause

11:30 – 12:30

Introduction to COMSOL multiphysics

Speaker

Mrs Laura Kuckert

12:30 PM

Fri, October 18

9:00 AM

Parallel Session: Computational tools for data analysis: BDTs and Analysis Workflow

Session |

Location: Waldhotel Zollernblick, Main Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Dr Fridtjof Feldbusch

09:00 - 10:00

Classification using BDTs

Speakers

Mr Fabio Colombo, Manuel Kambeitz, Mr Raphael Frieze

10:00 - 10:15

Kaffeepause

10:15 - 11:15

Data analysis workflow in High Energy Particle Physics (CMS)

Speakers

Mr Colin Baus, Mr Hauke Woehrmann, Mrs Melike Akbiyik

11:15 - 11:30

Kaffeepause

11:30 AM

9:00 AM

Parallel Session: Data Analysis and Simulation: Geant4 and MonteCarlo

Session |

Location: Waldhotel Zollernblick, Fireplace Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Ms Juliane Raasch

09:00 - 10:00

Simulation with GEANT

Speakers

Mrs Anne Zilles, Mrs Geertje Heuermann

10:00 - 10:15

Kaffeepause

11:30 AM

9:00 AM

Parallel Session: IT and data treatment: OpenCL and GPUs

Session |

Location: Waldhotel Zollernblick, Reception Room, Am Zollernblick 1 72250 Freudenstadt-Lauterbad http://www.zollernblick-lauterbad.de/en/ |

Convener: Dr Magnus Schlösser

09:00 - 10:00

OpenCL and GPU programming

Speakers

Mr Daniel Hilke, Mr Matthias Vogelgesang

10:00 - 10:15

Kaffeepause

10:15 - 11:15

Roll a dice - Basics of Monte Carlo methods and applications in particle physics

Speakers

Mr Christian Hangst, Mr Johannes Bellm

11:30 AM