



# KSETA Doktoranden Workshop 2013

## Thursday, October 17, 2013

### Parallel Session: IT and data treatment: CouchDB, RooFit and git - Reception Room (9:00 AM - 12:30 PM)

-Conveners: Fridtjof Feldbusch

time	[id] title	presenter
9:00 AM	[15] Data analysis by using the database CouchDb	Mrs KEFELIAN, Cecile
10:00 AM	Kafeepause	
10:15 AM	[34] Introduction to RooFit	Mr HEHN, Lukas
11:15 AM	Kafeepause	
11:30 AM	[32] Distributed version control and why *you* want to use it	Mr VOGELGESANG, Matthias

### Parallel Session: Technology: Semi Conductor Detectors, Electronics for Physicists and Kryo Technology - Fireplace Room (9:00 AM - 12:30 PM)

-Conveners: Juliane Raasch

time	[id] title	presenter
9:00 AM	[28] Electronics for physicists and measurement uncertainties	Mr SIEBENBORN, Bernhard Mrs RUPP, Simone
10:00 AM	Kaffeepause	
10:15 AM	[27] Halbleiterdetektoren	Mr PRINTZ, Martin Mr HEINDL, Stefan
11:15 AM	Kaffeepause	
11:30 AM	[29] Supraleiter und Kryotechnik	Mrs HEIDT, Carolin Ms RAASCH, Juliane

### Parallel Session: Theoretical and computational tools for data analysis: Cosmic Ray Detectors, COMSOL, FPGAs - Main Room (9:00 AM - 12:30 PM)

-Conveners: Magnus Schlösser

time	[id] title	presenter
9:00 AM	[14] Digital Signal Processing for Radio Detection (e.g. of Cosmic Rays)	Mr KOSTUNIN, Dmitriy Mr ROGOZIN, Dmytro Mrs KAMBEITZ, Olga Mr HILLER, Roman
10:00 AM	Kaffeepause	
10:15 AM	[30] Data analysis in hardware -□ a tutorial on VHDL and FPGAs	Mr AMSTUTZ, Christian Mr BÄHR, Steffen Mrs HARBAUM, Tanja Mr STEVANOVIC, Uros
11:15 AM	Kaffeepause	
11:30 AM	[19] Introduction to COMSOL multiphysics	Mrs KUCKERT, Laura

# Friday, October 18, 2013

## Parallel Session: Computational tools for data analysis: BDTs and Analysis Workflow - Main Room (9:00 AM - 11:30 AM)

-Conveners: Fridtjof Feldbusch

time	[id] title	presenter
9:00 AM	[35] Classification using BDTs	Mr COLOMBO, Fabio KAMBEITZ, Manuel Mr FRIESE, Raphael
10:00 AM	Kaffeepause	
10:15 AM	[7] Data analysis workflow in High Energy Particle Physics (CMS)	Mr BAUS, Colin Mr WOEHRMANN, Hauke Mrs AKBIYIK, Melike
11:15 AM	Kaffeepause	

## Parallel Session: Data Analysis and Simulation: Geant4 and MonteCarlo - Fireplace Room (9:00 AM - 11:30 AM)

-Conveners: Juliane Raasch

time	[id] title	presenter
9:00 AM	[31] Simulation with GEANT	Mrs ZILLES, Anne Mrs HEUERMANN, Geertje
10:00 AM	Kaffeepause	

## Parallel Session: IT and data treatment: OpenCL and GPUs - Reception Room (9:00 AM - 11:30 AM)

-Conveners: Magnus Schlösser

time	[id] title	presenter
9:00 AM	[36] OpenCL and GPU programming	Mr HILK, Daniel Mr VOGELGESANG, Matthias
10:00 AM	Kaffeepause	
10:15 AM	[8] Roll a dice - Basics of Monte Carlo methods and applications in particle physics	Mr HANGST, Christian Mr BELLM, Johannes