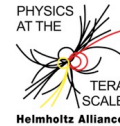


Welcome to the Terascale Statistics School 2015!

Helmholtz Alliance

PHYSICS AT THE TERASCALE



Deutsches Elektronen-Synchrotron DESY +++ Karlsruher Institut für Technologie - Großforschungsbereich +++ Max-Planck-Institut für Physik +++ Rheinisch-Westfälische Technische Hochschule Aachen +++ Humboldt-Universität zu Berlin +++ Rheinische Friedrich-Wilhelms-Universität Bonn +++ Technische Universität Dortmund +++ Technische Universität Dresden +++ Albert-Ludwigs-Universität Freiburg +++ Julius-Liebig-Universität Gießen +++ Georg-August-Universität Göttingen +++ Universität Hamburg +++ Ruprecht-Karls-Universität Heidelberg +++ Karlsruher Institut für Technologie - Universitätsbereich +++ Johannes Gutenberg-Universität Mainz +++ Ludwig-Maximilians-Universität München +++ Universität Regensburg +++ Universität Rostock +++ Universität Siegen +++ Julius-Maximilians-Universität Würzburg +++ Bergische Universität Wuppertal +++

Statistics School 2015

23-27 March 2015

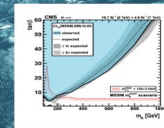
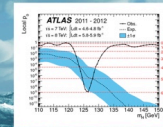
DESY, Hamburg

Lectures on statistics in high-energy physics:

- Basic concepts
- Point and interval estimation
- Hypothesis tests
- Goodness-of-fit tests
- Decision theory
- Applying statistics to histograms
- Limit estimation
- Result combination

Exercises regarding:

- RooStats/RooFit tutorial
- Calculating exclusion limits



The school is followed by a HistFitter tutorial
30-31 March
www.terascale.de/histfitter

HistFitter

The school fee is 50 Euro.
Please register via the workshop page.
Registration deadline is 20 March 2015.
For more details and to register see:

www.terascale.de/statistics2015



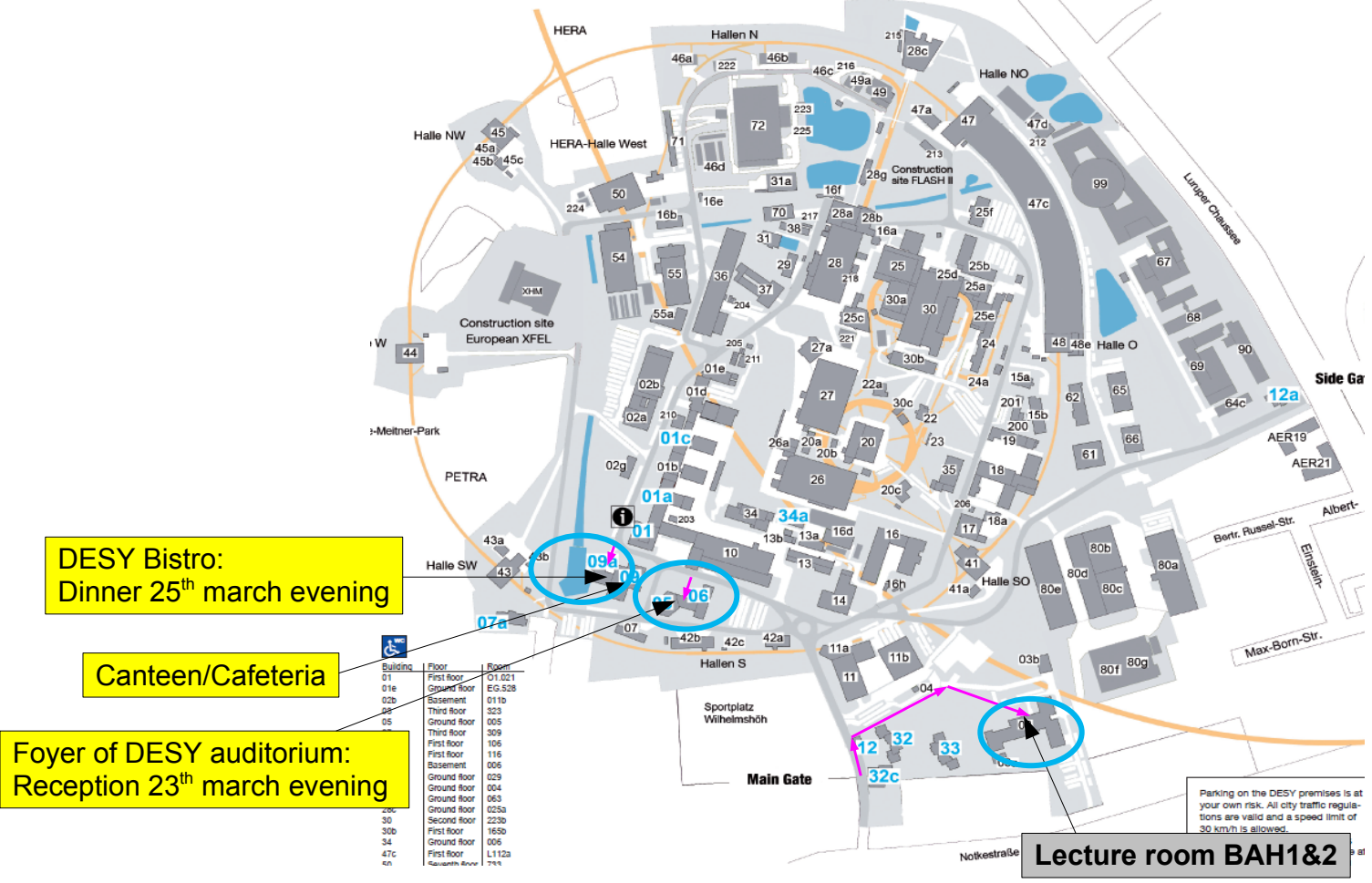
Program

Monday	Tuesday	Wednesday	Thursday	Friday
	09:00 Basic lecture	09:00 Basic lecture	09:00 Basic lecture	09:00 Combination
	10:00 <i>BAH 1, DESY Hamburg</i>	10:00 <i>BAH 1, DESY Hamburg</i>	10:00 <i>BAH 1, DESY Hamburg</i>	10:00 <i>BAH 1, DESY Hamburg</i>
	Coffee break <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>
	11:00 Limit setting	11:00 Limit setting	11:00 Combination	11:00 Statistical challenges in LHC Run 2 <i>BAH 1, DESY Hamburg</i>
14:00 Welcome <i>BAH 1, DESY Hamburg</i>	12:00 <i>BAH 1, DESY Hamburg</i>	12:00 <i>BAH 1, DESY Hamburg</i>	12:00 <i>BAH 1, DESY Hamburg</i>	12:00 Goodby <i>BAH 1, DESY Hamburg</i>
Introduction	Lunch break	Lunch break	Lunch break	
15:00 <i>BAH 1, DESY Hamburg</i>	13:00 <i>BAH 1, DESY Hamburg</i>	13:00 <i>BAH 1, DESY Hamburg</i>	13:00 <i>BAH 1, DESY Hamburg</i>	
Coffee break <i>BAH 1, DESY Hamburg</i>	14:00 Tutorial: Roostats	14:00 Tutorial: Roostats	14:00 Combination	
16:00 Basic lecture	15:00 <i>BAH 1, DESY Hamburg</i>	15:00 <i>BAH 1, DESY Hamburg</i>	15:00 <i>BAH 1, DESY Hamburg</i>	
17:00 <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>	Coffee break <i>BAH 1, DESY Hamburg</i>	
Computer preparation <i>BAH 1, DESY Hamburg</i>	16:00 Tutorial: Roostats	16:00 Tutorial: Roostats	16:00 Tutorial	
18:00				
19:00 Get-together <i>Foyer of Auditorium</i>		19:00 School dinner		



Where to go

The DESY Site and venues for statistics school march 23-27 2015



Internet

We set up a special WLAN for the school, please use this one:

- > Name: terascale
- > WPA/WPA2-PSK: chhHzN44



School-accounts on the NAF

- > You will all be provided with a login name to work on the German NAF on special prepared login nodes – more this afternoon in the computing setup session.

