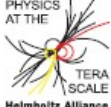




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- PHYSICS
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- # PHYSICS AT THE TERASCALE
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- ## School and Workshop on Fast Simulation in High Energy Physics
- 15-17 January 2013
DESY, Zeuthen
- Topics:**
- General Overview
 - Comparison to full simulation and to data
 - Very-fast-simulation tutorial
 - Concepts in tracking and calorimetry
 - Frameworks
 - Experimental solutions/performance
- Program Committee:**
Thorsten Kuhl (DESY), Andreas Salzburger (CERN), Andrea Giammarino (UC Louvain), Thomas Naumann (DESY)
- Registration deadline: 21 December 2012 - Fee: 50 Euro
- In case of questions please contact anacen@desy.de - Please register via the school web page
- <http://www.terascale.de/fastsim2013>

Dinner

<http://www.brauhaus-lemke.com/index.php/brauerei>

Direct under the Station Hackscher Markt

S-Bahn 8 till Ostkreuz
(or S46 till "Baumschulenweg
and then change to a S to
Ostkreuz

Then every train direction
City center till "Hackscher
Markt"



Schedule I

Tuesday 15 January 2013

- 11:00 - 12:30 Welcome
11:30 **Welcome and Overview 15'**
- 12:30 - 14:00 Lunch (Canteen)
- 14:00 - 16:00 Overview about fast simulation
14:00 **Conceptional overview of fast simulation 45+15 1h00'**
Speaker: Thorsten Kuhl (DESY)
- 15:00 **Comparison Fast and Full simulation 45+15 1h00'**
Speakers: Daniel Froidevaux (CERN) , salz
- 16:00 - 16:30 Coffee
- 16:30 - 18:30 Delphes introduction and tutorial
16:30 **Delphes overview 20+10 30'**
Speaker: Michele Selvaggi (Michele.Selvaggi@cern.ch)
- 17:00 **Delphes tutorial 1h30'**
Speaker: Pavel Demin

Schedule II

Wednesday 16 January 2013

09:00 - 12:30 Frameworks

09:00 **Framework Atlas** 1h00'

Speaker: Elmar Ritsch

10:00 **Coffee** 30'

10:30 **Fast-Simulation and Digitalisation** 1h00'

Speaker: Federica Primavera

11:30 **ILC Geometry description** 1h00'

Speaker: Frank Gaede (DESY)

12:30 - 14:00 Lunch (Canteen)

14:00 - 16:00 Calorimeter Concepts I

14:00 **Calorimeter frozen showers** 40'

Speaker: Mikhail Karnevskiy (DESY)

14:40 **Calorimeter parametric** 40'

Speaker: Michael Duehrssen (Albert-Ludwigs-Universität Freiburg)

15:20 **Calorimeter CMS** 40'

Speaker: Kevin Pedro

16:00 - 16:30 Coffee

16:30 - 18:30 Calorimeters II

16:30 **LHC Tracking** 1h00'

Speaker: Andrea Giammanco (UCL Louvain)

17:30 **Particle Flow ILC** 1h00'

Speaker: Mikael Berggren (DESY)

Schedule III

Thursday 17 January 2013

09:00 - 12:30	Tracking and Future
09:00	Upgrade Simulation Atlas <i>1h00'</i>
10:00	Coffee <i>30'</i>
10:30	Upgrade simulation CMS <i>1h00'</i> Speaker: silvia Tentindo
11:30	Fast simulation at the T-Event Scale <i>1h00'</i> Speaker: Andreas Salzburger (CERN)
12:30 - 14:00	Lunch (Canteen)
14:00 - 16:00	Closing discussion

This session

- Andreas: about the goals of the workshop
- short information for the tutorial

Everyone has to use Edurom or supply the mac adress!