MCnet & Terascale Alliance Monte Carlo Summer School 2013

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MCnet

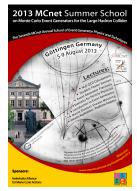
Göttingen/Germany



Who we are and what we do

MCnet ITN

- EU funded Initial Training Network
- dedicated to developing and supporting general-purpose Monte Carlo event generators throughout the LHC era
- Herwig++, MadGraph, Pythia, Sherpa, Ariadne, Rivet, FeynRules, ...
- research and training
- annual schools, fellowships, short term student programme







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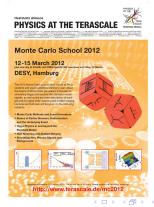
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Who we are and what we do

• Helmholtz-Alliance Physics at the Terascale

- 2007-2012 national funding structure
- bundles German activities in the field of high-energy collider physics
- training and research in all fields of HEP
- infrastructure kept, DESY as the leading institution
- schools & dedicated workshops, e.g. annual MC school





What to expect from the school

general & specialized lectures

- Introduction to MC generators (P. Richardson)
- Statistics (K. Kröninger)
- QCD NLO calculations (R. Frederix)
- Matching & Merging (F. Krauss)
- LHC perspectives (A. de Roeck)
- Predictive Analytics (M. Baehr)

hands-on tutorials

- try out & compare your favourite generators
- Herwig++, Pythia, Sherpa, Rivet

• plenty of room for discussion, interaction

- $\sim\,$ active participation strongly desired, please ask your lecturers and tutors
- \rightsquigarrow student poster session on Tue
- \rightsquigarrow there will also be a student session on Friday

and beyond physics ...









BBQ tonight

sightseeing in Göttingen on Wed "Gauss in Göttingen" (90min) "Aula & Karzer" (45min) ∼ please sign up!

school dinner down town



