



## Newsletter of the Analysis Centre in the Helmholtz Alliance "Physics at the Terascale" April 2012

The 2012 spring set of Analysis Centre schools is just over, and together, the "Introduction to Terascale Physics" and the MC and Statistics Tools school attracted again close to 150 students and postdocs. In addition, the Alliance Top Quark workshop and a workshop on "Fourth-generation fermions and single-top production" successfully took place in March. We are now organising the "Event generators and resummation" workshop which will attract numerous well-known colleagues from 29 May - 1 June. Among them is our "Theorist of the week" for the beginning of June, John Collins, who will also give a seminar on his "New definition of transverse-momentum-dependent parton densities".

The second half of the year will probably see the following major events organised by the Analysis Centre - but as always, your input and wishes are very welcome (please address any request to [anacen@desy.de](mailto:anacen@desy.de)):

- a workshop and/or school on Geant4 and especially the issue of fast simulations;
- a school on "Advanced topics in statistics"
- a school on advanced programming concepts in HEP (complementing that more basic programming part of the GridKa school in August)
- and possibly a workshop on the usage of statistics tools for finding and interpreting signals of BSM physics!

We are very much looking forward to welcoming you at any of these events!

### Upcoming schools and workshops

#### Theorist of the Week: Marco Guzzi

Mon 23 April - Fri 27 April  
at DESY Hamburg

<https://indico.desy.de/conferenceDisplay.py?confId=5660>

#### Seminar "Heavy-flavour treatment at NNLO in the CTEQ PDF analysis" (Marco Guzzi, CTEQ/SMU)

Tue 24 April, 16:00  
at DESY Hamburg

<https://indico.desy.de/conferenceDisplay.py?confId=5662>

#### Seminar "Toward saturation - measuring and simulation diffraction at an EIC" (Tobias Toll, BNL)

Wed 25 April, 10:00  
at DESY Hamburg

<https://indico.desy.de/conferenceDisplay.py?confId=6020>

#### Theorist of the Week: John Collins

Mon 4 June - Fri 8 June  
at DESY Hamburg

<https://indico.desy.de/conferenceDisplay.py?confId=5661>

#### Event Generators and Resummation

Tue 29 May - Fri 1 June  
at DESY Hamburg

<http://psr12.desy.de/>

#### FLASY12 - Workshop on Flavor Symmetries

Sat 30 June - Wed 4 July  
in Dortmund

<http://flasy12.tu-dortmund.de/>

#### GridKa School 2012

Mon 27 August - Fri 31 August  
in Karlsruhe

<https://indico.desy.de/conferenceDisplay.py?confId=5219>

#### 6th Annual Workshop of the Terascale Alliance

Mon 3 December - Wed 5 December  
at DESY

<https://indico.desy.de/conferenceDisplay.py?confId=5679>