



The Physics Institute 3A of the RWTH Aachen University has an immediate opening for a

Fellowship on “Top Quark Physics with the CMS Experiment” (E13)

The position is funded by the Strategic Helmholtz Alliance "Physics at the Terascale"* for a period of 4 years. The applicant is expected to take a leading role within the *VISPA* project (Visual Physics Analysis) being developed at the RWTH Aachen University**:

- Novel graphical methods for designing physics data analyses are established in conjunction with
- Automated data reconstruction, and
- Visualization of the results.

Furthermore, contributions to data analysis are expected in the area of top quark physics with the CMS experiment.

The salary is according to E13 TV-L.

Interested candidates are requested to submit their CV, description of professional experience, a statement about past and planned research activities as well as the names of two persons who can provide further information about the applicant by 31 December 2007.

Applications (preferably via email) should be sent to
Prof. Ian C. Brock (Scientific Manager of the Helmholtz Alliance)
DESY, Notkestrasse 85, D-22607 Hamburg
(Email Ian.Brock@desy.de)

For advance information, please contact
Prof. Dr. Martin Erdmann
on tel. no. 49-241-8027317 or e-mail erdmann@physik.rwth-aachen.de
Further information on the Physics Institute 3A can be obtained from the website:
<http://www.physik.rwth-aachen.de/institute/institut-iiia/>

* The Strategic Helmholtz Alliance "Physics at the Terascale" (<http://www.terascale.de>) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German Universities, and the Max-Planck Institute for Physics. Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.

** The research program of the Physics Institute 3A is experimental particle physics and astroparticle physics at the highest energies. Experiments CMS (Switzerland), D0 (USA), and Pierre-Auger-Observatory (Argentina).

RWTH Aachen University has been rewarded with the "Total-E-Quality-Award" for its efforts with respect to gender equality. In cases of equal qualification, aptitude and expertise of the applicants, female applicants will be given preferential treatment for those salary groups and careers in which females are underrepresented, unless there are preponderant reasons to give preference to another applicant.

Please refer to § 8 Article 6 of the North Rhine-Westphalian Equal Opportunities Act (Landesgleichstellungsgesetz NW).

RWTH Aachen University has been rewarded with the title "disability-friendly" ("Prädikat behindertenfreundlich") for its efforts with respect to training and employment of severely disabled people. Applications from severely disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with § 2 SGB IX (Social Code).