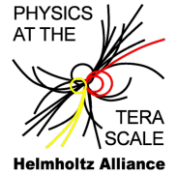




University of Hamburg Department of Physics



As part of the Helmholtz Alliance "Physics at the Terascale"* the Department of Physics at Hamburg University has an opening for a

Leader of a Helmholtz Young Investigator Group for High Energy Particle Acceleration Techniques

with a tenure track option for a permanent position at DESY.

The successful candidate should have several years of experience in the field of accelerator physics. She/he should have the potential to lead a small research group and initially should strengthen the effort for accelerator research at the high energy frontier and develop his/her own research programme. Collaboration with the existing groups at Hamburg University and DESY is expected.

The university and DESY intend to increase the number of women amongst its academic personnel and expressly encourage qualified women to apply. In compliance with the Hamburg Equal Opportunity Law, preference will be given to qualified female applicants.

The candidate is expected to initially contribute to and expand a research programme on high gradient superconducting cavities. The activities include

- expansion of the research programme on SRF cavities leading to high gradient performance as required e.g. for the ILC,
- exploration of the high current operation of the DESY FLASH facility and research on required diagnostics and controls,
- preparation of a research activity for future acceleration techniques leading to very high acceleration gradients.

The research will be carried out in close collaboration with the existing ILC group at DESY and will profit from the experimental facilities of FLASH and preparation of the XFEL.

The position (E14 TV-L) is funded by the HGF Alliance and limited to its funding period until December 2012 (§ 2 Academic Fixed-Term Contract Law (Wissenschaftszeitvertragsgesetz)). Following a positive evaluation a tenured position at DESY will be available to the candidate. The weekly working time is 39 hours. The position requires a Ph.D. in physics.

Preference will be given to disabled applicants with equal qualifications.

Further information can be obtained from Prof. E. Elsen, DESY, Eckhard.Elsen@desy.de.

Applications with a letter of application, CV, academic records, teaching experience, list of publications, and the names of two persons who can provide information about the applicant should be send before 31st July 2009 to

Prof. Ian Brock (Scientific Manager of the Helmholtz Alliance)
DESY, Notkestr. 85 , D-22607 Hamburg, Ian.Brock@desy.de.

* 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.