

Scientist Positions within the Advanced Study Group of the Max Planck Society at the Centre of Free Electron Laser Science in Hamburg



The “Advanced Study Group” (ASG) funded by the Max Planck Society (MPG) is part of the “Centre for Free Electron Laser Science” (CFEL) presently being established in Hamburg (http://hasylab.desy.de/science/cfel/index_eng.html). The ASG shall support research activities of groups within the Max-Planck-Society at 4th generation Free Electron Laser (FEL) light sources such as FLASH in Hamburg and LCLS in Stanford.

Applications are invited for **two scientist positions**, located at DESY, to establish in Hamburg a fast-laser and pulsed x-ray laboratory for the preparation of MPG-FEL experiments, to operate and maintain single-photon counting x-ray pixel CCDs developed from the Max-Planck semiconductor laboratory. They are supported by two further scientists, two technicians and students. Specifically, we are looking for researchers experienced in

- (1) **time-resolved diffraction methods.** The successful candidate should have a strong background in physics, chemistry or biophysics or crystallography. Experience in diffraction experiments at FEL, SPPS or synchrotrons sources, or, alternatively, in ultra-fast x-ray science based on table top pulsed x-ray sources, are of advantage
- (2) **x-ray spectroscopy and coherent scattering.** The successful candidate should have a strong background in x-ray spectroscopy, operation of monochromators at FELs or synchrotrons and x-ray detection. Experience with CCD devices with FEL, SPPS or ESRF experiments and in coherent scattering are of advantage. This position is understood as a link between instrument developers and beamline scientists.

We expect the successful candidates to interact collaboratively among a variety of disciplines. Apart from supporting experiments actively pursued within the ASG, independent research is encouraged.

Remunerations are according to TVöD (German civil service scale). The initial appointment will be for three years, with the possibility for a two-year extension. It is intended to have a long term perspective, given excellent performance and the continuation of funding by MPG within the CFEL.

As an equal opportunity employer, the Max Planck Society seeks to increase the percentage of female employees in areas where they are under-represented. Qualified women are therefore strongly encouraged to apply. The Max Planck Society is also committed to employing more individuals with disabilities. We therefore actively encourage individuals with disabilities to apply.

To apply, please send your CV including a brief description of your research / scientific interests, a list of publications, a copy of the most relevant publication, and names and email addresses of two referees either as email attachments or hard copy to:

Prof. Dr. Joachim Ullrich

Max-Planck-Institut für Kernphysik

Saupfercheckweg 1

D-69117 Heidelberg

joachim.ullrich@mpi-hd.mpg.de

Informal enquiries may be sent to Dr. Simone Techert (Simone.Techert@mpi-bpc.mpg.de) and Dr. Lothar Strüder (lts@hll.mpg.de) for position 1 and 2, respectively.

Deadline for applications is Dec 1st 2007, desired starting date as soon as possible.