

The Max-Born Institute for Nonlinear Optics and Short Pulse Spectroscopy (MBI) conducts basic research in the field of nonlinear optics and ultrafast dynamics arising from the interaction of light with matter and pursues applications that emerge from this research. It develops and uses ultrafast and ultra-intense lasers and laser-riven short-pulse light sources in a broad spectral range in combination with methods of nonlinear spectroscopy. The spectral range includes in particular XUV radiation and soft x-rays, where experiments at in-house sources are complemented with the use of accelerator driven sources such as free electron x-ray lasers.

With its research, MBI fulfils a national mission and is an integral part of the international scientific community.

The Max-Born-Institute invites applications for the position

Department Head „Imaging and Coherent X-Rays“ (B2)

Job profile:

Currently, MBI seeks the appointment of a department head for Department B2 Imaging and Coherent X-Rays of the institute. The department is part of the Division Transient Electronic Structure and Nanoscience, led by Prof. S. Eisebitt. The main theme of the research in department B2 is the combination of time resolved spectroscopic information with spatial resolution in real or reciprocal space via the use of soft x-rays. The combined use of ultrashort laser pulses with soft x-ray pulses is typical, employing FEL and synchrotron facilities as well as laboratory-based HHG sources.

Current activities focus on the dynamics of magnetic phenomena on the nanometer scale and increasingly on phase transitions in non-magnetic, correlated materials. Imaging method development exploiting coherent XUV and x-ray beams, e.g. for HHG-based soft x-ray imaging, is presently also an important activity.

It will be the task of the future department head to coordinate the research activities in Department B2, and to assume responsibility for the development of new and promising future research directions.

Requirements:

The successful candidate has a PhD in physics (or equivalent) and should have an excellent track record in high-level research in ultrafast science and/or x-ray imaging research. The ability to provide inspiring leadership should be complemented by experience in running collaborative projects on an international level, acquisition of third party funding, and supervision of students and postdocs.

Offer:

The department head position is available at the earliest possible date. Duration: tenured. The payment is according to the German TVöD Bund salary scheme for scientists in public research institutions.

If equally qualified, severely handicapped persons are given preference. MBI is an equal opportunity employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply.

MBI supports the reconcilability of family and working life and is certified as family-friendly by the "family audit".

Please upload your application, including cover letter, curriculum vitae, certificates, references and description of previous studies and professional activities as well as a list of publications electronically via the MBI online recruiting platform at <http://www.mbi-berlin.de/de/jobs/index.html>. The deadline for applications is 01.06.2018.

For further information and inquires please contact Prof. S. Eisebitt (eisebitt@mbi-berlin.de).