



HR EXCELLENCE IN RESEARCH

FORM FOR EMPLOYERS

INSTITUTION: UNIVERSITY OF WARSAW, FACULTY OF PHYSICS

CITY: WARSAW, POLAND

POSITION: POST-DOC

NUMBER OF POSITIONS: 1

DISCIPLINE: THEORETICAL PHYSICS

POSTED: 10-MARCH-2017

EXPIRES: 31-MARCH-2017

WEBSITE: WWW.FUW.EDU.PL

KEY WORDS: IONIZATION IN STRONG LASER FIELDS

DESCRIPTION (field, expectations, comments):

One postdoctoral position is available within the project of the National Science Centre, Poland, OPUS 8: "Scattering and half-scattering processes in intense laser fields". The successful candidate will develop theoretical foundations of ionization in strong laser fields, in both relativistic and nonrelativistic regimes of laser-matter interactions. Specifically, he/she will analyze the emission of photoelectrons with nonzero topological charge and will investigate rescattering processes in photoionization.

It is required that the successful candidate has vast experience in analytical and numerical analysis of nonlinear processes that occur in interactions of strong laser fields with matter, broad knowledge of atomic strong-field physics and strong-field quantum electrodynamics, scientific achievements in the area of the project as well as fluency in English. A PhD degree in physics is required.

The position is a full-time postdoctoral position in the Institute of Theoretical Physics, Faculty of Physics UW, starting in April 2017 and terminating in November 2019. The position covers health insurance,

retirement contributions, and includes 36 days of paid vacation leave per year. The successful candidate will be eligible for financial support to cover his/her scientific visits to other research institutions and participation in international conferences.

Candidates should submit their applications (in person or by mail) to the Secretariat of the Institute of Theoretical Physics, Faculty of Physics UW, ul. Pasteura 5, 02-093 Warsaw, Poland (room 5.49), including:

1. Application for the position required together with the acceptance for the treatment of personal data: “I hereby give consent for my personal data to be processed for the purposes of recruitment, in accordance with the Personal Data Protection Act dated 29.08.1997 (uniform text: Journal of Laws of the Republic of Poland 2002 No 101, item 926 with further amendments)”
2. CV (including e-mail address)
3. motivational letter
4. information about scientific and teaching experience, scientific visits to other research institutions, conference participation, and scientific presentations
5. list of publications
6. certificate of receiving a PhD degree
7. at least two recommendation letters sent by e-mail to Dr Katarzyna Krajewska (kkraj@fuw.edu.pl)

Applications will be reviewed by The Recruitment Committee, appointed by the Council of the Faculty of Physics UW, by April 5th, 2017. In case candidates are asked for a qualification interview, they will be informed individually.

This announcement is the first step in the procedure of employing an academic teacher.