



At the Laboratoire de Chimie Physique - Matière et Rayonnement (LCP-MR, Université Paris 6 and CNRS, UMR 7614) we are looking for a

POST DOCTORAL RESEARCH ASSISTANT
in the research area of
Resonant x-ray inelastic scattering (RIXS)
on gas-phase species

The full-time position is immediately available for a period of 12 months. It is founded through a MICHEM grant from the LABEX initiative

Description

Based at LCP-MR in Paris downtown, the candidate will join an international group developing a new experimental research program. Core-excited states dynamics is governed by the short lifetime of inner-shell vacancies, typically a few femtoseconds. Ultrahigh resolution RIXS opens the perspective for the coherent control of ultrafast nuclear motion in core-excited states in competition with radiative decay on the femtosecond timescale.

A new state-of-the-art soft x-ray emission spectrometer has been designed at LCP-MR and is installed on the SEXTANTS beamline of the French synchrotron radiation center SOLEIL located south of Paris.

The candidate will be in charge with the development of new setup for gas-phase samples to be integrated in this existing environment. She/he is expected to plan and conduct the experiments, collect and analyze the spectroscopic data. She/he will interact with an international theory team providing theoretical support and make a significant contribution to the field.

Requirements

We welcome applications from excellent candidates with a PhD degree (or who are about to obtain one) in atomic and molecular physics, chemical physics, or chemistry. Experience in synchrotron based spectroscopy is an advantage. She/he must be capable of working within a broader research team and demonstrate good written and verbal communication skills.

Further information

Please send your application in electronic form including a letter of motivation, your CV including diploma, names and contact information of references to:

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