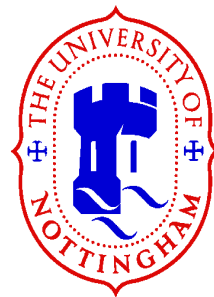


University of Nottingham, School of Chemistry



## Postdoctoral Research Fellowship in Chemical Physics

Applications are invited for a postdoctoral research position funded by the EPSRC. The project will focus on the investigation of VUV molecular photofragmentation dynamics (i.e. ionisation, dissociation, and non-adiabatic electron-nuclear couplings) using novel electron-ion recoil vector correlation techniques. Existing instrumentation and capabilities are being extended by the development of a new supersonic molecular beam spectrometer designed to be compatible with both synchrotron and laboratory VUV sources. The Fellow will have an opportunity to participate in established collaborations, in particular with groups in Paris and Berlin.

Candidates should already hold or be about to obtain a PhD. Experience in at least some of the following areas would be desirable: UV/VUV photoionization spectroscopy and/or dynamics, molecular beam sources, electron/ion optics, time-of-flight techniques and electronics, position sensitive imaging particle detection.

The post is available immediately or at some agreed time thereafter. Further details on this post are available on request from the address below.

General information on the research may found at:

<http://www.chem.nott.ac.uk/IP.html>

Applicants should send a detailed CV, together with the names, addresses, telephone/fax numbers of two referees to Dr I. Powis, School of Chemistry, University of Nottingham, NG7 2RD, UK

Informal inquiries (stating relevant expertise held) may be made by email to:  
[Ivan.Powis@Nottingham.ac.uk](mailto:Ivan.Powis@Nottingham.ac.uk)

Background image shows a photoelectron angular distribution in oriented CH<sub>3</sub>Cl