

POSTDOCTORAL FELLOWSHIP IN ASTROPHYSICS-Keele University

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Applications are invited for a post-doctoral fellowship position in the Astrophysics Group at Keele University. We are looking for a researcher with expertise and interests at the intersection of stellar nucleosynthesis, evolution and hydrodynamics. The appointee will work with Dr. Falk Herwig on large-scale and comprehensive nucleosynthesis computations based on both stellar evolution and hydrodynamics simulations. External team members include Prof. Michael Wiescher (Notre Dame) from the Joint Institute for Nuclear Astrophysics (JINA) and Drs. Frank Timmes and Chris Fryer (LANL). In order to fully realize the collaborative aspects of this project it is expected that the appointee takes advantage of the opportunity to spend one quarter of each year at these participating host institutions.

The Keele astrophysics group is currently undergoing a phase of expansion with three new faculty or tenure-track hired this year, leading up to a group consisting of ten academic staff. The group has research interests in star formation and evolution, the interstellar medium, binary stars, extra-solar planets, and active galaxies. The work covers the entire wave-length range, as well as theory and simulation. The group is supported by a PPARC rolling grant. For more on the Keele group see www.astro.keele.ac.uk. Keele University enjoys a rural setting in proximity to the metropolitan area of Manchester as well as to places of outstanding natural beauty, for example in Wales.

The post, which is jointly funded 75% by a European Union grant to Keele and 25% by JINA, is available for 2 years in the first instance, with the possibility for a third year depending on project progress and continued availability of funding. Please note that this is a full-time post, however, due to funding constraints the contract issued by Keele University, and the salary paid by the University, will be 75% of a full-time contract. The further 25% salary will be paid during the three months per year that the post holder spends in the United States.

Adequate research resources, including travel, are provided. We have acquired dedicated high-performance computing resources for this project including an 8-core shared memory compute server as well as data analysis and visualization hardware. The project will also have access to the local 172 CPU ClusterVision machine and to external computing resources. The position is open immediately.

Attention/Comments: Application procedure: Full job packs are available from Human Resources Department, Keele University, Keele, Staffordshire, ST5 5BG, fax: 44-1782-583471, email vacancies@keele.ac.uk or www.keele.ac.uk/depts/uso/hr/cwisvacs.htm. Informal (and confidential) inquiries about the post can be made by contacting Dr Falk Herwig (fherwig@astro.keele.ac.uk, +44-1782-584371) or Prof Nye Evans (ae@astro.keele.ac.uk, tel: 44-1782-583342). Full electronic applications have to be submitted to vacancies@keele.ac.uk by March 5th, 2007. Applicants should arrange to have three letters of reference send to this address by that date as well.

Please quote post reference: RE07/05

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Deadline: March 5th, 2007