

Post-Doctoral Research Associate

Stellar Modelling for Nuclear Astrophysics University of Edinburgh

Applications are invited for a Post-Doctoral Research Associate position funded by the ERC Starting Grant project DoRES which addresses nuclear reactions of importance for the creation of elements in stars. The successful candidate will perform numerical simulations of nucleosynthesis processes in stars and stellar explosions. In particular, the work will focus on the origin of the heavy elements, for example in massive stars and core collapse supernovae.

The successful applicant will have or will be about to obtain a PhD in computational astrophysics, nuclear astrophysics, or a related discipline. Prior experience in using and developing nucleosynthesis and stellar evolution codes is essential. The candidate would be expected to interact closely with the experimental nuclear astrophysics research programme, with the aim of exploring the astrophysical impact of experimental results and to identify key goals for future work.

The position is available from September 2017 for 3 years, with a possible extension until 31 May 2021, when the ERC funding period ends.

Your application should include a motivation letter, a CV, and details of two referees that can be approached. The closing date for applications is 10 July 2017.

Informal enquiries should be directed to Dr Claudia Lederer-Woods (claudia.lederer-woods@ed.ac.uk).

Apply online at www.jobs.ed.ac.uk using vacancy reference 040104.