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Post-Doctoral Research Associate in Space Plasma Physics  
Department of Meteorology, School of Mathematical, Physical and  
Computational Sciences, University of Reading

Closing date: 19/05/17

Interview date: 26/05/17

Full details: <https://jobs.reading.ac.uk/displayjob.aspx?jobid=818>

We seek a post-doctoral researcher to work on a 4-year NERC-funded project investigating the nonlinear plasma physics of wave-particle interactions in Earth's Radiation Belts. The project forms part of a large UK consortium to study the physics of Earth's Radiation Belts and improve physics-based modelling of important wave-particle interactions. The consortium is led by the British Antarctic Survey and includes the University of Reading, Mullard Space Science Laboratory (UCL), Imperial College London and the University of Sheffield. We welcome applications from strongly-motivated individuals who wish to be part of this exciting new collaboration.

We seek a space plasma physicist, ideally with expertise in kinetic plasma physics. You will design and carry out numerical experiments to explore the applicability of plasma diffusion theories in Earth's Outer Radiation Belt. We have access to state-of-the-art kinetic plasma simulations, and you will be encouraged and supported to develop further tools necessary to achieve the project goals. You will liaise with scientists in the consortium to apply your new results within the BAS Radiation Belt Model.

Informal enquiries can be made by contacting Clare Watt  
([c.e.watt@reading.ac.uk](mailto:c.e.watt@reading.ac.uk) <<mailto:c.e.watt@reading.ac.uk>>)

The University aspires to be an "Employer of Choice" and recognises that success is not simply determined by a competitive suite of terms and conditions of service, but by fostering a working environment that protects the physical and mental well-being of its staff. Full details of the University's Health and Well-being policy are available through the HR website. The University is committed to work-life balance and supportive of flexible working arrangements, and the School's website gives examples of excellent practices in respect of flexible work as well as for maternity/parental leave within the School. The School of Mathematical and Physical Sciences was awarded an Athena SWAN Silver award in 2010, renewed in 2014, in recognition of its good employment practices in relation to women working in science, engineering and technology (SET).