



Cosmic Rays & ULF Waves: Research in Schools Projects in London

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Research in Schools (RiS) projects offer school students opportunities to experience scientific research over prolonged periods within their school environment. Over the past two years we have piloted a RiS programme with five London schools across two research areas: the cosmic ray muons which serve as backgrounds to current neutrino experiments; and the magnetospheric ultra-low frequency waves that play a key role within space weather. From the evaluation of this pilot programme we have found that RiS can have significantly positive results on students' understanding and appreciation of science, as well as equipping them with vital skills. Teachers are also found to benefit from the projects, reconnecting them with their subject at an academic level, challenging them and aiding towards their professional development. It is important to note that supervision from current researchers was key to these outcomes. Finally, a number of recommendations on project structure, resources and workloads are presented.