

PIER Helmholtz Graduate School: Call for applications in May 2015

Department/institute/research group: Department for Theoretical Physics, Universität Hamburg

Supervising scientist(s) & contact for more information:

Prof. Dr. Günter Sigl (guenter.sigl@desy.de),

Prof. Dr. Robi Banerjee (Robi.Banerjee@hs.uni-hamburg.de)

Research field Astroparticle Physics: Cosmic Magnetism and Cosmic Ray Physics

Project description:

Research on a topic relevant for project section C9 "Cosmic Magnetic Fields and their Role in High Energy Astrophysics" in the Collaborative Research Center SFB 676 "Particles, Strings, and the Early Universe", in particular on magnetohydrodynamics, the evolution of primordial and large scale cosmic magnetic fields and their effect on the propagation of cosmic rays and electromagnetic cascades. These studies can be based on both numerical and analytical techniques.

Specific requirements/experiences:

Knowledge in electrodynamics, some programming experience.

Earliest start of PhD project: 1.7.2015

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