



PhD Student Position on Dynamo Processes in the ISM

The Astrophysical Institute of Potsdam (AIP) invites applications for a PhD student position funded by the Deutsche Forschungsgemeinschaft (DFG) for a period of three years. The position is set within the research unit 1254:

“Magnetisation of Interstellar and Intergalactic Media:
The Prospects of Low-Frequency Radio Observations“

(<http://www.astro.uni-bonn.de/~cosmag>).

The working place will be the AIP, an institute of the Leibniz Association, which is located in the beautiful Potsdam/Babelsberg area, at the border to Berlin. The institute works in two major fields which are cosmic magnetic fields and extragalactic astrophysics. The position offered will be set up in the Department for Cosmic Magnetic Fields, within the Magnetohydrodynamics and Turbulence Group (<http://www.aip.de/groups/MHD>).

The successful candidate will work on simulations of the amplification of magnetic fields in the interstellar medium. The simulations will be based on an existing setup for the Nirvana code, which has to be extended with cosmic ray physics.

Goal of the project is a detailed investigation of the role of cosmic rays for the dynamo process.

A fair knowledge of programming languages is desired for adapting the code, writing suitable diagnostic routines, and the visualization of the results.

Applications are invited to arrive before June 15, 2010, although later applications may be considered if no suitable candidate could be found. The preferred starting date for successful applicants is August 1, 2010. The salary is based upon the German federal public service scale (50% of TV-L E13). The AIP is equal-opportunity employer and particularly welcomes applications from women, disabled persons and minorities.

Please send your application (email submission preferred) with a CV and other relevant documents to the address given below. You are asked to arrange for one or two letters of recommendation supporting your application.

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