

Postdoc position

Interaction of supernova remnants with interstellar clouds

The Astrophysical Institute Potsdam (AIP) is an institute of the Leibniz Association and 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 AIP invites applications for a Postdoc position funded by the Deutsche Forschungsgemeinschaft for a period of 2.25 years. The position offered will be set up in the department for cosmic magnetic fields, within the magnetohydrodynamics group (<http://www.aip.de/groups/MHD>). Review of applications starts immediately and continues until the position is filled. The salary is based upon the German Collective Agreement for the Public Service (TV-L E13). The AIP is an equal opportunity employer and as such, considers individuals for employment according to their skills, abilities, and experience. Women are particularly encouraged to apply.

The successful candidate will work on massively-parallel adaptive mesh simulations of the collision of supernova remnants with interstellar clouds using the NIRVANA code. Major goal of the project is to study the effects of radiative cooling and anisotropic (magnetic-field-dependent) heat conduction enlightening their role in the formation of dense prestellar cores. A fair knowledge of the programming language C and experience in numerical (magneto-)hydrodynamics is a prerequisite.

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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