



Leibniz-Institut für  
Astrophysik Potsdam

Leibniz-Institut für  
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### **PhD positions in numerical studies of galaxy formation**

The Leibniz-Institute for Astrophysics Potsdam (AIP) invites applications for two PhD positions to work on the study of the origin of stellar components in galaxies. The two projects involve the analysis of hydrodynamical simulations in a cosmological context, comparison of their predictions with observational results, and the development of new modules for star formation and feedback within the simulations. The students will work with Dr. Cecilia Scannapieco and will be in close contact with the Cosmology and Milky Way and Local Volume groups at the AIP.

The successful candidates will hold a masters degree or equivalent in astrophysics, physics or a related discipline. Candidates with previous experience in simulations, observations, code development and/or high-level programming, and with interest in galaxy evolution are strongly encouraged to apply.

The AIP is located in the beautiful Potsdam/Babelsberg area, at the southwestern border of the Berlin metropolitan area. About 100 scientists work on a variety of astrophysical topics from solar physics to cosmology. Key topics of AIP are cosmic magnetic fields and extragalactic astrophysics.

The PhD project will be carried out under the co-supervision of Dr. Cecilia Scannapieco and Prof. Matthias Steinmetz, and the student will be integrated in the structured doctoral program at Potsdam University. The initial appointments are nominally two years with a possible extension of one year. The starting date is July 2012, but earlier appointments are also possible. The AIP is an equal opportunity employer and as such considers individuals for employment according to their skills, abilities and experiences.

To apply please send a Curriculum Vitae as well as statements on research experience and interests (including possible starting date), and arrange for two or three letters of reference to be sent to the submission address given below. Applications received by Dec 31<sup>st</sup>, 2011 are assured of full consideration, but the position is open until filled.

#### **Including Benefits:**

Employer contributions to medical and dental insurance, maternity leave, and retirement benefits.

#### **Contact:**

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