



Leibniz-Institut für Astrophysik Potsdam

The Leibniz Institute for Astrophysics Potsdam (AIP) invites applications for

Postdoctoral Research Positions (m/f/d) in Computational Galaxy and Cluster Formation

who will strengthen our research in the section Cosmology and High-energy Astrophysics. The successful candidates will work on cosmological simulations of the formation and evolution of galaxies and galaxy clusters, with a particular emphasis on the underlying physical processes. Funding for these positions is provided by the ERC advanced grant PICO GAL of Christoph Pfrommer that pursues a coordinated multi-scale approach, which combines plasma kinetic and global fluid models with the goal to understand the physics of galaxy formation in a cosmological context, including the interstellar, circum- and intergalactic media, galaxies, and galaxy clusters.

Qualifications and position

Candidates with experience in theoretical and computational astrophysics and an interest (though not necessarily experience) in any of the aforementioned areas are encouraged to apply. Applicants need to have a PhD in astronomy, physics, or a closely related field by the beginning of the appointment. The initial appointment will be for two years with an expected renewal for a third year. Additional funds are available for computational equipment and travel. The position is anticipated to start in September 2024 (or sooner), but this is subject to individual arrangements.

Salary and benefits

Salary and benefits are attractive and commensurate with those of public service organizations in Germany at the TV-L level E13, depending on the requirements of the collective agreement (professional experience and expertise), as well as the social benefits of the collective agreement for the public service (TV-L) incl. the company pension VBL with pension for reduced earning capacity and surviving dependents as well as a subsidy for the job ticket.

Application

To apply, please register at the AIP recruitment portal

<https://jobs.aip.de/rec014>

and follow the instructions to upload the following documents, all in PDF format: a cover letter motivating your application, your curriculum vitae, a list of publications, a plan of future research (max. 3 pages) and past accomplishments (max. 2 pages), and the names of three individuals willing to provide reference letters upon request.

Applications received before November 15, 2023 will receive full consideration.

In case of questions please contact Prof. Pfrommer at the following email address: cfrommer@aip.de

AIP offers flexible working hours and a cooperative working atmosphere. Equal opportunity is an integral part of personnel and organizational development at the AIP, and applications from scientists of all genders are encouraged. People with disabilities will be given preferential consideration if they are equally qualified and capable. The AIP values and promotes a respectful and tolerant working atmosphere, and has adopted a Code of Conduct. Your application documents will be kept for at least three months after completion of the appointment process. As a rule, your documents will be made available to a selection committee and to the committees and officers to be involved in the appointment process.

The AIP continues the tradition of the Astrophysical Observatory Potsdam and the Berlin Observatory. It is located in the beautiful Potsdam/Babelsberg area, at the South-western border of the Berlin metropolitan area. About 170 scientists work on a variety of astrophysical topics covering the full range from solar physics to cosmology. The AIP features excellent HPC supercomputing facilities and has access to national supercomputers. Potsdam is also the home of the Max Planck Institute for Gravitational Physics and the Institute for Physics & Astronomy of Potsdam University.

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