

STELLENAUSSCHREIBUNG

Job-Advertisement



MAX-PLANCK-INSTITUT FÜR RADIOASTRONOMIE



The Max Planck Institute for Radio Astronomy at Bonn (Germany) invites applications for a:

Postdoctoral Fellowship for Polarization Commissioning and Pilot Observations with the LOFAR Radio Telescope

LOFAR is a novel digital telescope for low-frequency radio astronomy presently under construction by ASTRON (Netherlands) and international partners which will extend over Europe. The Max Planck Institute for Radio Astronomy (MPIfR), the leading institute for radio astronomy in Germany, operates the first international LOFAR station, next to the 100 m Effelsberg telescope located 40 km south of Bonn. The MPIfR leads the LOFAR Key Science Project on "Cosmic Magnetism" and is responsible for preparing LOFAR for polarization observations. The German Research foundation DFG is funding a Research Network between 8 German institutes for LOFAR observations and simulations of magnetic fields in the Milky Way, nearby galaxies, galaxy groups, and galaxy clusters. We seek candidates for a postdoctoral position to plan, perform, and analyze commissioning observations for polarization with LOFAR. The successful applicant should also train and supervise Ph.D. students of the Research Network, organize workshops, and run scientific projects.

The applicant should have extensive experience with reducing, calibrating, and analyzing radio-interferometric data, preferably at low frequencies. Experience with polarized data and polarization properties of radio telescopes is desired. Experience with Python and C++ and in graduate student education would be beneficial. Candidates must have a Ph.D. degree in astronomy or a related field.

A starting date in March 2010, but not later than May 2010 is preferred. The position is initially limited to three years.

The Max Planck Society wants to raise the proportion of women in areas where they are underrepresented. Women are therefore especially encouraged to apply.

Payment and social benefits are based on the regulations of the German TVöD.

The Max Planck Society also wishes to employ more severely challenged persons, whose applications are also encouraged.

Candidates should send their application **until 1 Feb 2010** (indicating the number 917/2009) including all usual documents (CV, certificates of Degrees, and further qualifications) and the names of three referees by email to rbeck@mpifr-bonn.mpg.de, or by mail to:

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