



Junior Research Fellowship in CMB analysis

Last date for Application: November 18, 2015

Applications are invited for a Junior Research Fellowship (JRF) position to work in the project "Advanced algorithms for gravitational wave and cosmic microwave background data analysis" under Dr. Sanjit Mitra at IUCAA. The project is funded by the Science and Engineering Research Board, Department of Science and Technology, India. The position is available immediately. Appointment will be made till July-2016 and can not be extended.

Fellowship

The position offers a monthly fellowship of Rs. 16,000 per month and other facilities as per IUCAA norms.

Qualification

Successful completion of M.Sc./M.Tech. or equivalent degree with first class or equivalent class/grade.

Experience

Candidates must have a good background in Physics and strong motivation to work in data analysis for precision Cosmology. The job will require technical knowledge (mathematical and computational) for writing data analysis softwares. Prior experience in astronomy and data analysis projects will be preferred.

How to apply

Interested candidates may apply by email to Mr. Santosh Khadilkar <aocp@iucaa.ernet.in> with a Curriculum Vitae and a brief (one paragraph) statement of purpose. In email applications, please mention in the subject line 'Application for JRF in CMB analysis'. The applicants should also arrange for two letters of reference to be sent directly to the same email address before the deadline.

Deadline for submission of application: November 18, 2015.

Job description

The candidate will be expected to develop an analysis pipeline for the analysis of data from recent Cosmic Microwave Background (CMB) experiment (Planck, WMAP etc.). The software should be able to take advantage of parallel computing environment and implemented in a high performance computing (HPC) facility available at IUCAA.

Enquiries

For further enquiries, please contact Mr. Santosh Khadilkar at aocp@iucaa.ernet.in