

Institute of Physics (IOP), Bhubaneswar
Applications Invited for a JRF Position

Applications are invited for a Junior Research Fellow (JRF position to work on a **SERB** sponsored research project titled *“Exploring Radiative Neutrino Mass Models through Dark Matter and Collider Experiments”*.

Essential and Desirable Qualifications:

M.Sc. in Physics with 55% marks and above from a recognized University/Institution and qualified in at least one of the eligibility tests at the national level which are UGC-CSIR-NET (JRF/LS)/GATE/JEST. Those eligible for INSPIRE fellowship may also apply. Experience at the basic level in Quantum Field Theory, Particle Physics, Neutrino Mass Models and its associated Collider Phenomenology will be preferable.

Fellowship and Allowances:

As per the existing guidelines issued by the SERB and IOP. Accommodation inside the campus is subject to availability. HRA would be given at a permissible rate for the candidates staying outside the campus.

Duration:

Initial appointment of the JRF will be for one year, extendable for one more year depending upon the performance of the candidate. The candidate can be further promoted to the SRF position depending upon the performance and the extension of the project. The project position is co-terminus with the above project.

How to Apply:

Interested candidates should email their application (a single merged PDF file) latest by **21st March, 2022** to **kirtiman.ghosh@iopb.res.in** with the following documents:

- A complete curriculum vitae providing information about her/his academic records, courses taken in M.Sc., details about any past experience related to the above project.

Shortlisted candidates will be intimated by email before **25th March, 2022** and may be asked for a virtual interview/presentation over Skype/Google-Meet/Zoom. Candidate can join immediately after the selection. Exact joining date is negotiable.

A Brief Description of the Project :

A large number of experiments are ongoing or planned worldwide to search for a signal of new physics which could explain the issues like neutrino mass, dark matter e.t.c. The aim of this project is to study collider and dark matter phenomenology of radiative neutrino mass models.