

ICTP Supported PhD Program at Ramakrishna Mission Vivekananda Educational and Research Institute, INDIA

- Post Designation:** PhD Scholar
Location: RKMVERI Belur Campus, West Bengal, India
Funding Duration: 1 year, extendable up to 4 years
Application Open To: Non-Indian applicants from eligible countries (details below)
Necessary Qualification: Master of Science in Physics or equivalent
Deadline: 30 September, 2019 (*midnight, Indian Standard Time*)

Overview

Applications are invited for open **PhD positions in Theoretical Physics at the Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI), Belur, West Bengal, India, which is an affiliated centre of the Abdus Salam International Center of Theoretical Physics (ICTP), Trieste, Italy.** The ICTP is a UNESCO Category 1 research institute supporting science and education in the developing world. It promotes worldwide initiatives for the career development of Women in Science. Details about ICTP: <https://www.ictp.it/>

The selected candidate may work with the faculty members of the Department of Physics at RKMVERI having a broad range of research interests in the following areas:

- Statistical physics: Long-range interacting systems, Nonequilibrium statistical physics, Stochastic thermodynamics
- Nonlinear dynamics: Synchronization, Bifurcation theory
- Cosmology: Dark energy and dark matter
- High-energy physics: Phenomenology, Collider physics
- Quantum field theory, Conformal field theory, Holography
- Theoretical condensed matter physics

Eligibility

- The position is open to citizens of developing countries eligible for ICTP support (other than India). For full list of countries eligible for priority support from ICTP, see the following link: <https://www.ictp.it/visit-ictp/developingcountries.aspx>
- The applicants must have completed a Master of Science (MSc) or equivalent degree in Physics or related subjects from a recognized university.

Support

Support is provided to cover the student's living expenses while working at RKMVERI towards her/his PhD, and if required, one return travel ticket from the student's home country and also tuition fees. The grant does not cover health or travel insurances or incidental costs. The support will be initially for 1 year, with possible renewal up to a total length of 4 years. Renewal is based on satisfactory progress towards the degree as evaluated by ICTP on an annual basis.

About RKMVERI

The Ramakrishna Mission Vivekananda Educational and Research Institute is owned and managed by the Ramakrishna Mission, a worldwide, non-political, non-sectarian spiritual organization renowned for its universal outlook and involvement in humanitarian activities for over a century. RKMVERI strives to promote an effective and well-rounded education combining the best elements of ancient spiritual traditions of the East with modern scientific traditions of the West, as envisioned by Swami Vivekananda, the founder of the Ramakrishna Mission and one of the universally respected historical figures of modern India. The academic excellence of the institution is underscored by its receiving the highest available grade of A++ in the assessment conducted by the National Assessment and Accreditation Council (NAAC) of the Government of India in 2019.

The RKMVERI campus housing the department of Physics is located in Belur Math adjacent to the worldwide headquarters of the Ramakrishna Mission, with an ambiance that is not only picturesque and salubrious just next to the Ganges but also elevating and peaceful—an ideal environ for academic and research activity. The campus is well connected by public transport to the heart of the city of Kolkata (for example, the campus is about half-hour drive from the Kolkata airport and places like New Town and Salt Lake).

The Department of Physics at RKMVERI has been running regular Masters and Doctoral programs in physics since 2012 and 2010 respectively. The department has an extensive program of visiting scholars and scientists and has quite a few renowned teacher-researchers in various fields as Adjunct Professors and Young Associates. It organizes regular seminars, conferences and workshops in a broad range of topics. The department maintains strong research links with leading national and international research groups.

Further Information

Department of Physics at RKMVERI: <http://physics.rkmvu.ac.in/>

Apply Online

- For details of online application, visit the department webpage: <http://physics.rkmvu.ac.in/admission-phd-programme>
- To directly go to the application form, click: https://docs.google.com/forms/d/e/1FAIpQLSdvklKIUD04v0daAenDtoUj3Aj9vw7E2NgzN5HDAP52yX-Mrg/viewform?usp=sf_link