



Science Academies' Refresher Course on Quantum Mechanics

28 November 2016 to 10 December 2016

Sponsored by

Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Allahabad

in collaboration with

Department of Physics, B.S. Abdur Rahman University, Chennai

A Refresher Course on 'Quantum Mechanics' for College/University teachers/research scholars will be held in the Department of Physics, B.S. Abdur Rahman University, Chennai, Tamil Nadu, during 28 November 2016 to 10 December 2016. The Refresher Course is primarily aimed at teachers involved in teaching quantum mechanics at the UG/PG level although a few seats will be available for research scholars and final year M.Sc., Physics students. This course will cover the basics of Quantum Mechanics and advanced topics of Quantum Mechanics, through lectures and tutorials. College/university teachers having at least a Master's degree in physics are particularly encouraged to apply.

Course Director: Prof. H. S. Mani, Adjunct Professor, Chennai Mathematical Institute.

Course Coordinator: Dr G. V. Vijayaraghavan, Asst. Professor (Sel. Gr.), Department of Physics, B.S. Abdur Rahman University, Chennai.

Resource persons

1. Prof. G. Rajasekaran, Institute of Mathematical Sciences and Chennai Mathematical Institute
2. Prof. S. V. M. Satyanarayana, Pondicherry Central University
3. Prof. Govind Krishnaswami, Chennai Mathematical Institute
4. Prof. H. S. Mani, Chennai Mathematical Institute

Module 1: Introductory aspects of quantum mechanics, **Module 2:** Mathematical aspects of quantum mechanics, **Module 3:** Perturbation theory, **Module 4:** Quantum theory of radiation and relativistic quantum mechanics.

Interested applicants must submit their application **ONLINE** by clicking on the following links

<http://web-japps.ias.ac.in:8080/Refreshcourse/SARCQM.jsp>

A printed copy of the application approved by the Head of the institution should be sent by speed post to: **Dr G. V. Vijayaraghavan**, Course Coordinator, Refresher Course on Quantum Mechanics, Asst. Professor (Sel. Gr.), Department of Physics, B.S. Abdur Rahman University, Chennai 600 048, e-mail: vijayaraghavan@bsauniv.ac.in, mobile no.: 0-97908 80065.

Please note that participants have to attend the full duration of the Course.

Arrival date: **28 November 2016** (morning 8:00 am)

Departure date: **10 December 2016** (Evening 6:00 pm).

Last date for receipt of applications: **15 September 2016**

Selected participants will be informed by first week of October 2016. Selected participants will be provided with local hospitality and round trip bus/train (III AC) fare by the shortest route.