



Science Academies' Refresher Course in Quantum Mechanics

sponsored by

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

in collaboration with

St Berchmans College, Changanacherry, Kottayam, Kerala

1–14 May 2013

A Refresher Course in '**Quantum Mechanics**' for college/university teachers will be held at St Berchmans College, Changanacherry, Kottayam, Kerala, from 1 to 14 May 2013. The Course is aimed for college teachers engaging Quantum Mechanics at the UG/PG level. The Course will cover the basic and advanced topics of Quantum Mechanics, through lectures and tutorials. College/university teachers having at least a Master's degree in Physics are encouraged to apply.

Topics: Most of the topics in a standard UG/PG level course syllabus will be covered. There will be four modules: Module 1: Principles of Quantum Mechanics (with associated mathematics); Module 2: Applications to Atoms and Molecules; Module 3: Quantum Theory of Radiation (Sakurai); Module 4: Relativistic Quantum Mechanics.

Resource persons:

Prof. Govind Krishnaswami (Chennai Mathematical Institute), Prof. K. S. Malleth (Mysore University), Prof. H. S. Mani (Chennai Mathematical Institute), Prof. G. Rajasekaran (Institute of Mathematical Sciences and Chennai Mathematical Institute).

Course Director: Prof. H. S. Mani

Course Convenor: Dr Jacob Mathew

Teachers/research scholars who wish to participate should send a short letter explaining their reasons for wanting to participate along with a brief curriculum vitae (including name, date of birth, gender, educational qualifications with marks obtained, teaching experience, typical courses taught, positions held, postal and e-mail addresses, phone numbers, etc.).

The applications should be sent (preferably by e-mail) before **11 March 2013**:

e-mail: berchmans2013@gmail.com

or by speed post to: **Prof. H. S. Mani**, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri, Kelambakkam 603 103, India.