



## 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 **28 February 2013**:

e-mail: [refresher@imsc.res.in](mailto:refresher@imsc.res.in)

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