

# Science Academies' Refresher Course in Quantum Mechanics

1 – 14 May 2013

*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*

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), and 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 email addresses, phone numbers, etc.).

**The applications should be sent (preferably by Email) before 28 February 2013.** Email: [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 603103, India

