Centre for Theoretical Physics
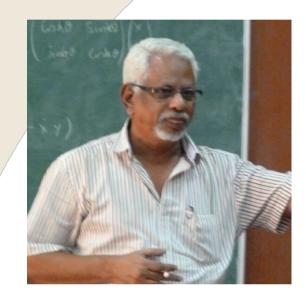
Jamia Millia Islamia   New Delhi

Lecture Series

Differental Geometry, Topology and Quantum Physics

21-28 October 2016

T.R. Govindarajan

Chennai Mathematical Institute, Chennai.

The CTP announces a lecture course by Prof. T.R. Govindarajan who is an eminent Indian theoretical physicist and has done distinguished work on topological aspects of low dimensional field theories, knot theory and blackhole physics. Topological aspects play very important role in classical/quantum mechanics and quantum field theory. Anomalies, Berry phase, monopoles, solitons, spin statistics theorems, quantum hall effect and knot theory are some of the manifestations. After briefly introducing mathematical definitions we will discuss several applications.

Pre-requisites are Master's level classical physics, quantum mechanics and introductory quantum field theory.

		Lecture 1	21 October, 3:30-4:30
Lecture 2	24 October, 2:30-3:30	Lecture 3	24 October, 3:45-4:45
Lecture 4	25 October, 2:30-3:30	Lecture 5	25 October, 3:45-4:45
Lecture 6	26 October, 2:30-3:30	Lecture 7	26 October, 3:45-4:45
Lecture 8	27 October, 2:30-3:30	Lecture 9	27 October, 3:45-4:45
Lecture 10	28 October, 2:30-3:30		

Venue: CTP Seminar Room
Centre for Theoretical Physics
Jamia Millia Islamia
New Delhi, India.
www.ctp-jamia.res.in

All are welcome!