

# *Subject Board for Physics*

**Tata Institute of Fundamental Research**  
**Homi Bhabha Road, Mumbai 400 005, INDIA**

(In all e-mail addresses add @tifr.res.in unless otherwise mentioned)

To access any course material posted by the instructor please click on the link

## Courses in (2008-2009)

[Time-Table](#)

*Autumn 2008*

### Core Courses

Courses	Instructor(s)	e-mail
<a href="#">Quantum Mechanics I</a> @	Sourendu Gupta	sgupta
<a href="#">Mathematical Methods</a> @\$*	Amol Dighe	amol@theory
<a href="#">Electrodynamics II</a> \$&*	Sushil Mujumdar/Rudrajyoti Palit	mujumdar, palit
<a href="#">Exp. Physics+Lab</a> @\$	Arnab Bhattacharya	arnab
<a href="#">Classical Mechanics</a> @	Subha Majumdar/ H.M. Antia	subha, antia
<a href="#">Electronics</a> @	Achanta Venugopal	achanta
<a href="#">Atomic and Molecular Physics</a> &	E. Krishnakumar / M. Krishnamurthy	Ekkumar, mkrism

<a href="#">Astronomy and Astrophysics</a> &€	D.Ojha/D.Narasimha	ojha, dna
<a href="#">Nuclear Physics</a> &	Indranil Mazumdar	indra
<a href="#">Particle Physics</a> &	Sreerup Raychaudhuri	sreerup@theory

## Topical Courses

Courses	Instructor(s)	e-mail
<a href="#">QFT II</a>	Avinash Dhar	adhar@theory
<a href="#">Condensed Matter Theory-I</a>	Kedar Damle, Vikarm Tripathi	kedar@theory, vtripathi@theory
<a href="#">Lasers</a>	G. Ravindra Kumar	grk

## Reading Courses

Courses	Instructor(s)	e-mail
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*Spring 2009*

[\(Timetable\)](#)

Core Courses

Courses	Instructor(s)	e-mail
Quantum Mechanics II@S*	Sreerup Raychaudhuri	sreerup
Statistical Mechanics@	T.P. Singh	tpsingh
Electrodynamics I@	G.Ravindra Kumar / R. Palit	grk /palit
Numerical Methods and Computing@	S. Pal	spal
Solid State Physics@	Pratap Raychaudhuri / Sandip Ghosh	pratap/sangho10

## Topical Courses

Courses	Instructor(s)	e-mail
<u>Observational techniques, including some data analysis and statistical techniques, for millimetre, Infra-red, X-ray astronomy</u>	B. Mookerjea and K. P. Singh	bhaswati/singh
<u>Astrophysical Fluid dynamics, plasma physics and some part of radiative processes</u>	Sudip Bhattacharyya	sudip
<u>Interstellar medium</u>	S. K. Ghosh	swarna@infrap3.tifr.res.in
<u>Dynamics of Equilibrium and Nonequilibrium Systems</u>	M. Barma	barma@theory
<u>Disordered Systems</u>	V. Singh	vsingh@hbcse.tifr.res.in
<u>Physics of Semiconductors</u>	K. L. Narasimhan, Sandip Ghosh, Achanta Venu Gopal	klh,sangho10,gopal
<u>QFT-I</u>	Gautam Mandal	mandal@theory
<u>Superconductivity</u>	Pratap Raychaudhuri	pratap

<a href="#">Neutrino Physics</a>	A. Dighe	amol@theory
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## Reading Courses

Courses	Instructor(s)	e-mail
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@ Mandatory for 1st year students with B.Sc degree.

\$ Mandatory for 1st year students joining with M.Sc degree.

& Mandatory for 2nd year students with B.Sc degree.

€ Mandatory for 1st and 2nd year students with M.Sc. degree joining Department of Astronomy & Astrophysics.

\*Students joining with M.Sc. degree are encouraged to take [drop tests](#) for these courses. The drop test is held at the beginning of the semester. If you are interested in taking a drop test for any course kindly contact the Graduate Course Coordinator or send a mail to [sbp@theory.tifr.res.in](mailto:sbp@theory.tifr.res.in)

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