Time table for INO PhD program at TIFR (August-Nov 2008)

The first contact hour is scheduled for 13th August (first lecture in the course on "Particle Physics" by Prof. Sreerup Raychaudhuri). The schedule of lectures is as follows:

Time (hrs)	Monday	Tuesday	Wednesday	Thursday	Friday
0930-1115	Part.Phys. SRC D-405	Num. Meth. & Err. Analy. GM P-305	Part.Phys. SRC D-405	Num. Meth. & Err. Analy. GM P-305	Num. Meth. & Err. Analy. GM P-305
1400-1530		Expt. Meth. I VN/ BS P-305		Expt. Meth. I VN/ BS P-305	Expt. Meth. I VN/ BS P-305

SRC - Sreerup Raychaudhuri (13th August-7th November)
GM – Gobinda Majumder (19th August - end November)
VN – Vandana Nanal (19th August - end Nov.)
BS – B. Sathyanarayana (~ Oct.)

The course "Experimental Methods I" will be shared by V. Nanal and B. Sathyanarayana.

The lecture rooms are indicated in blue. Only the Particle Physics course is in D-405, the other two in Pelletron Seminar room P-305.

The schedule of experimental projects will be announced soon. Graduate students will choose any 3 of 4 experiments listed below while the experiment at the Pelletron (content and dates to be decided later) will be mandatory and done by all students working as a team.

1. Construction of glass resistive plate chamber (RPC) and measurement of response (pulse height/charge and timing) to minimum ionizing particles.
2. Measuring the muon lifetime using stopped cosmic muons in a plastic scintillator detector.
3. Measuring the energy spectrum of neutrons from a ^{252}Cf (a spontaneously fissioning nucleus) source using the time-of-flight technique and a liquid scintillator with pulse shape discrimination property.
4. Measuring the nuclear magnetic moment (or g-factor) of an excited state in ^{133}Cs using a time differential perturbed angular correlation (TDPAC) technique

For any course related difficulties/clarifications you may contact

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