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:

<table>
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<th>Time (hrs)</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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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.
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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