

# **XIX DAE-BRNS High Energy Physics Symposium**

## **Programme**

**December 13-18, 2010  
Jaipur, India**

**UNIVERSITY  
OF  
RAJASTHAN**

**LNMIIT**   
The LNM Institute of  
Information Technology

# Room L1

Monday, 13<sup>th</sup> December 2010

| <b>Time</b> | <b>Title</b>   | <b>Author</b>   |
|-------------|--|-----------------|
| 08:30       | Registration   |                 |
| 10:00       | Inaugration  |                 |
| 11:00       | <b>HIGH TEA</b>  |                 |
| 11:30       | The First Year of LHC running: Results from the CMS Experiment | Albert De Roeck |
| 12:15       | Recent results from STAR                                       | Rashmi Raniwala |
| 13:00       | <b>LUNCH</b>   |                 |

# Room L3

**Parallel Sessions- Monday, 13<sup>th</sup> December 2010**

## **QCDHP**

| <b>Time</b> | <b>Title</b>   | <b>Author</b>       |
|-------------|--|---------------------|
| 14:30       | Vector boson production in association with KK modes of the ADD model to NLO in QCD at LHC.  | Satyajit Seth       |
| 14:50       | MIPP: Particle Production measurements at Fermilab   | Arun K Soma         |
| 15:10       | Hadronic Event Shape Variables in pp Collision at 7TeV.  | Monoranjan Guchait  |
| 15:30       | Measurement of neutral current electron-proton scattering cross sections with ZEUS detector at HERA.                               | Inderpal Singh      |
| 15:50       | <b>TEA BREAK</b>   |                     |
| 16:10       | Generalized parton distributions In Position Space.  | D.Chakrabarti       |
| 16:30       | Neutrino-nuclei scattering and $xF_3$ structure function from DGLAP evolution equation upto next-next-to-leading order at small-x. | Mr. Nayan Mani Nath |
| 16:50       | Analytical Solutions of DGLAP Evolution equation for non-singlet structure function $F_2NS(X, Q^2)$ at small x.                    | Neelakshi Kachari   |
| 17:10       | Ultra High Energy Neutrino Nucleon interaction cross section   | Pijush Dhar         |

# Room L5

Parallel Sessions- Monday, 13<sup>th</sup> December 2010

QMRHIC

| <b>Time</b> | <b>Title</b>   | <b>Author</b>            |
|-------------|--|--------------------------|
| 14:30       | Energy Dependence of elliptic flow in high energy heavy-ion collisions.                            | Md. Nasim                |
| 14:50       | Elliptic flow of light nuclei in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV.                    | C. Jena                  |
| 15:10       | Higher Moments of Net-Charge Distribution: a Novel Probe For Locating the QCD Critical Point       | N R Sahoo                |
| 15:30       | Ring and Jet-like structure in particle emission in Si-Ag/Br interaction at 14.5A GeV/c.           | P. Mali                  |
| 15:50       | <b>TEA BREAK</b>   |                          |
| 16:10       | Using CMBR tools in heavy ion collision  | P. S. Saumia             |
| 16:30       | Energy and momentum relaxation of heavy fermions in dense and warm plasma.                         | Sreemoyee Sarkar         |
| 16:50       | Diffusion coefficient from Quenched Lattice Gauge theory.  | Debasish Banerjee        |
| 17:10       | Simulation of Z(3) walls and string production via bubble nucleation in a quark-hadron transition. | Ranjita Kumari Mohapatra |

# Room L1

**Parallel Sessions-Monday, 13<sup>th</sup> December 2010**

**DETACC**

| <b>Time</b> | <b>Title</b>  | <b>Author</b>   |
|-------------|---|-----------------|
| 14:30       | Hadron Energy Resolution of ICAL Detector.  | Anushree Ghosh  |
| 14:50       | Studies of CMS RPC trigger efficiencies using Data-driven performance evaluation method at LHC. | Archana Sharma  |
| 15:10       | Charmonium detection by p-N collisions at Fair energies in CBM experiment.                      | Arun Prakash    |
| 15:30       | Development of characterization of RPCs for ICAL detector.                                      | Deepak Samuel   |
| 15:50       | <b>TEA BREAK</b>  |                 |
| 16:10       | Preliminary results on optimization of gas flow rate for ICAL RPCs.                             | Manas Bhuyan    |
| 16:30       | Characteristics of SiPM and Scintillator detector.  | Sandeep Bhowmik |
| 16:50       | Feasibility study of a Forward Calorimeter (FoCAL) at LHC.                                      | Baba Potukuchi  |
| 17:10       | Simulation Studies for Gaseous Electron Multiplier (GEM) Detector.                              | Prakhar Garg    |