



## Program: 3<sup>rd</sup> July 2012

|                          | Time  | Topic   | Speaker                |
|--------------------------|-------|---|------------------------|
| <b>Inaugural Session</b> |       |   |                        |
| <b>Session-1</b>         | 09:30 | <b>Inauguration</b>   |                        |
|                          | 10:00 | Quark-Gluon Plasma: an overview   | Larry McLerran         |
|                          | 10:45 | Tea / Coffee  |                        |
| <b>Session-2</b>         | 11:15 | First Heavy-ion results from ALICE at LHC                                       | Sukalyan Chattopadhyay |
|                          | 11:40 | Upsilon production in the CMS experiment at LHC                                 | Vineet Salar           |
|                          | 12:05 | New results from RHIC   | Bedangadas Mohanty     |
|                          | 12:25 | Physics of Compressed Baryonic Matter at FAIR                                   | Subhasis Chattopadhyay |
| Raghav Varma             |       |   |                        |
|                          | 13:00 | Lunch   |                        |
| <b>Session-3</b>         | 14:15 | Viscous Hydrodynamics   | Asis Chaudhuri         |
|                          | 14:45 | Thermal photons from event-by-event hydrodynamics                               | Rupa Chatterjee        |
|                          | 15:05 | New relativistic dissipative fluid dynamics from kinetic theory                 | Amaresh Jaiswal        |
|                          | 15:25 | The effect of spectral modification of rho meson on shear viscosity of pion gas | Sukanya Mitra          |
|                          | 15:45 | The high temperature and the high density plasma: a comparative study           | Sreemoyee Sarkar       |
|                          | 16:05 | Tea / Coffee  |                        |
| <b>Session-4</b>         | 16:30 | On Consequences of Energy Loss by Charm and its Production: An Empirical Study  | Md. Younus             |
|                          | 16:50 | Open charm production at pp and PbPb collisions in ALICE experiment             | Sadhana Das            |
|                          | 17:10 | Probing QGP by Heavy Flavour  | Surasree Majumdar      |
| Sanjay Ghosh             |       |   |                        |
| <b>Special Lecture</b>   | 17:30 | <b>Accelerator facilities in India: Present and Future</b>                      | Rakesh K. Bhandari     |
|                          | 19:00 | <b>Director's Dinner: Lounge at VECC Guest House</b>                            |                        |



## Program: 4<sup>th</sup> July 2012

|   | Time          | Topic   | Speaker              |
|---|---------------|---|----------------------|
| <b>Session-5</b><br><br>Hiranmay Mishra           | 09:30         | From the Universe to relativistic heavy-ion collisions: CMBR fluctuations and flow anisotropies               | Ajit Srivastava      |
|   | 10:00         | Gluon condensates and QCD propagators above de-confinement temperature  | Purnendu Chakraborty |
|   | 10:20         | Deconfining Phase Boundary and QCD Critical Point   | Prashant Srivastava  |
|   | 10:40         | Effect of strong CP violation and chiral symmetry breaking in the phase diagram of hot and dense quark matter | Bhaswar Chatterjee   |
|   | 11:00         | <b>Tea / Coffee</b>   |                      |
| <b>Session-6</b><br><br>Abhee Kanti Dutt-Majumdar | 11:30         | Probing in-medium properties of rho and omega mesons  | Sabyasachi Ghosh     |
|   | 11:50         | Rho-0 resonance production and azimuthal anisotropy measurement in STAR at RHIC                               | Prabhat Pujahari     |
|   | 12:10         | Elliptic flow of thermal dileptons as a probe of QCD matter   | Payal Mohanty        |
|   | 12:30<br>(**) | Heavy lepton pair production in nucleus-nucleus collision at LHC energies                                     | Sarbani Majumdar     |
|   | 12:50         | Discussion  |                      |
|   | 13:00         | <b>Lunch</b>  |                      |
| <b>Session-7</b><br><br>M.M. Aggarwal             | 14:15         | Multiplicity fluctuation in the color glass condensate  | Prithwish Tribedy    |
|   | 14:35         | Photon production at forward rapidities in ALICE  | Sudipan De           |
|   | 14:55         | Low-x Forward Physics in ALICE  | Sanjib Muhuri        |
|   | 15:15         | Transverse Energy measurements at RHIC  | Arnab Banerjee       |
|   | 15:35         | Hadronic resonances in Pb-Pb collision at $\sqrt{s_{NN}} = 2.76$ TeV in ALICE                                 | Subhas Singha        |
|   | 15:55         | <b>Tea / Coffee</b>   |                      |
| <b>Session-8</b><br><br>Abhijit Bhattacharyya     | 16:20         | Medium-dependent heavy-quark effective potential and EOS of quark matter                                      | Binoy Patra          |
|   | 16:40         | Radiative processes in quark-gluon plasma   | Trambak Bhattacharya |
|   | 17:00         | On gluon emission of a heavy quark  | Raktim Abir          |
|   | 17:20         | Suppression of D-mesons production at RHIC and LHC  | Begum Umme Jamil     |
|   | 17:40         | Nuclear modification of hadron production at RHIC and LHC   | Somnath De           |
|   | 19:00         | <b>Dinner: Lounge at VECC Guest House</b>   |                      |

(\*\*) Due to the Press Release for Higgs search at CERN: our program at this time may be shifted at 12:30



**Program: 5<sup>th</sup> July 2012**

|   | <b>Time</b>    | <b>Topic</b>   | <b>Speaker</b>    |
|---|----------------|--|-------------------|
| <b>Session-9</b><br><br>R.K.<br>Choudhury   | 09:30          | Flow and Flow fluctuations   | Rajiv Bhalerao    |
|   | 10:00          | Analyzing flow anisotropies in Relativistic heavy ion collisions                               | Ranjita Mahapatra |
|   | 10:20          | Elliptic Flow of Identified Hadrons in Au+Au Collision at $\sqrt{s_{NN}} = 7.7 - 39$ GeV       | Md. Nasim         |
|   | 10:40          | Strange meson measurements at PHENIX   | Priyanka Sett     |
|   | 11:00          | <b>Tea / Coffee</b>  |                   |
| <b>Session-10</b><br><br>Sudhir<br>Raniwala | 11:30          | Lattice QCD  | Rajiv Gavai       |
|   | 12:00          | Net-charge fluctuations at LHC energies  | Satyajit Jena     |
|   | 12:20          | Higher moments of conserved charge multiplicity distributions at RHIC energies                 | Nihar R. Sahoo    |
|   | 12:40          | Chemical freeze-out parameters from Au+Au collisions at $\sqrt{s_{NN}} = 7.7, 11.5$ and 39 GeV | Sabita Das        |
|   | 13:00          | <b>Lunch</b>   |                   |
| <b>FEST COLLOQUIUM</b>                      |                |  |                   |
| <b>Fest Colloquium</b>                      | 14:30 to 17:30 | <b>Details to be posted soon</b>   |                   |
|   | 19:00          | <b>Workshop Dinner</b>   |                   |



**Program: 6<sup>th</sup> July 2012**

|                           | <b>Time</b> | <b>Topic</b>   | <b>Speaker</b>     |
|---------------------------|-------------|--|--------------------|
| <b>Session-11</b>         | 09:30       | J/Psi production in proton induced collision at FAIR   | Partha Bhaduri     |
| Anju Bhasin               | 09:50       | Production of J/Psi Particles in Ultra-relativistic Heavy Ion Collisions: A Model-based Analysis | Pradeepta Guptaroy |
|                           | 10:10       | Model Investigation of QCD thermodynamics and phase diagram                                      | Sandeep Chatterjee |
|                           | 10:30       | Hot and Dense Hadron Gas (HG):A New Excluded-Volume Approach                                     | S.K. Tiwari        |
|                           | 10:50       | <b>Tea / Coffee</b>  |                    |
| <b>Concluding session</b> |             |  |                    |
| <b>Session-12</b>         | 11:20       | QGP: A Critical Assessment   | Dinesh Srivastava  |
|                           | 11:45       | Summary  | Steffen Bass       |
|                           | 12:30       | Closeout   |                    |
|                           | 13:00       | <b>Lunch</b>   |                    |