

ICPAQGP – 2010

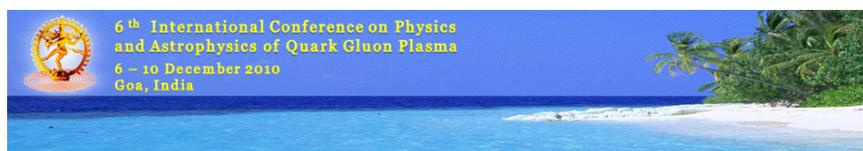
Tentative Program

(All Plenary Sessions will be held at NIO Auditorium, Goa)

5th December 2010: Student Day Lectures

	Time	Topic	Speaker
Session- S1	09:15	Welcome	Rakesh K. Bhandari <i>VECC, Kolkata</i>
Chair: Bikash Sinha	09:30- 10:30	The Quark-Gluon Plasma - An Overview	Helmut Satz <i>Universitaet Bielefeld, GERMANY</i>
	10:30- 11:00	Tea / Coffee	
Session- S2	11:00- 12:00	Hadrons at Finite Temperature	Sourav Sarkar <i>VECC, Kolkata, INDIA</i>
Chair: Durga P. Mahapatra	12:00- 13:00	The LHC and its Detectors	Archana Sharma <i>CERN, Geneva, SWITZERLAND</i>
	13:00- 14:00	Lunch	
Session- S3	14:00- 15:00	Standard Model and Beyond	Durga P. Roy <i>HBCSE, TIFR, Mumbai, INDIA</i>
Chair: Yogendra P. Viyogi	15:00- 16:00	Experimental overview of Quark Gluon Plasma	Thomas K Hemmick <i>SUNY, StonyBrook, USA</i>
	16:00 – 17:00	Microscopic and Macroscopic QCD	Igor Dremin <i>Lebedev Physical Institute Moscow, RUSSIA</i>

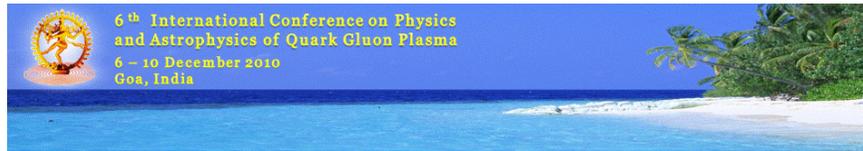
Registration and Welcome: 16:00 to 18:00 at NIO Auditorium



6th December 2010

Registration: 8:30 AM to 9:30 AM

Session	Time	Topic	Speaker
	9:30	Inauguration	
Session – 1: Opening Chair: Bikash Sinha	10:00- 10:45	Overview of Quark Gluon Plasma and related areas	Joseph Kapusta <i>University of Minnesota, Minneapolis USA</i>
Tea/Coffee			
Session – 2: Experimental Highlights Chair: Helmut Satz	11:15 – 11:45	Critical Point Search at the CERN-SPS	Peter Syboth <i>Max-Planck Institute, Munich, GERMANY</i>
	11:45 – 12: 15	Recent Results from PHENIX Experiment at RHIC: Exploring the QCD Medium	Rachid Nouicer <i>BNL, USA</i>
	12:15 – 12:45	Recent results from STAR experiment at RHIC	Duncan Prindle <i>University of Washington, Seattle, USA</i>
Lunch			
Session – 3: QCD Matter in the Laboratory Chair: Hans-Georg Ritter	14:00 – 14:45	First results from the ALICE experiment at the LHC	Jurgen Schukraft <i>CERN, Geneva, SWITZERLAND</i>
	14:45 – 15:15	The heavy ions programme of the CMS experiment	Prashant K. Shukla <i>BARC, Mumbai, INDIA</i>
	15:15 – 15:45	Cosmic Matter in the Laboratory	Horst Stocker <i>GSI, Darmstadt, GERMANY</i>
Tea/Coffee			
Session – 4: Astrophysics Chair: Rajeev S. Bhalerao	16:15 – 17:00	Quantum Gravity in the very early Universe	Martin Bojowald <i>Penn State University, USA</i>
	17:00 – 17:30	A Diversity in Neutron Star Properties: Challenges and Prospects	Sanjay Reddy <i>Los Alamos National Laboratory, USA</i>
EVENING LECTURE	17:30 – 18:15	Impact of the North Indian Ocean and the surrounding mountains on the Indian Summer Monsoon	Satish R. Sheyte <i>National Institute of Oceanography, Goa, INDIA</i>
18:15	High Tea		



7th December 2010

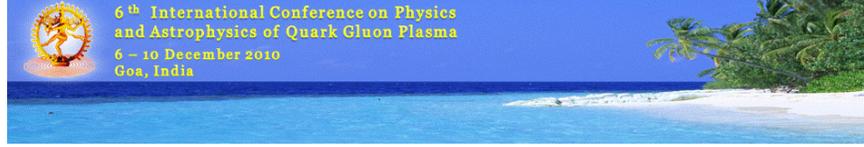
Session	Time	Topic	Speaker
Session – 5: Lattice QCD and EOS	09:00 – 09:30	Hints from Lattice in QCD Critical Point Search	Rajiv Gavai <i>Tata Institute of Fundamental Research, Mumbai, INDIA</i>
Chair: Igor Dremin	09:30-10:00	EoS from Lattice Calculations	Rajan Gupta <i>Los Alamos National Laboratory, Los Alamos, USA</i>
	10:00 – 10:30	Models for strong interaction physics	Rajarshi Ray <i>Bose Institute, Kolkata</i>
Tea/Coffee			
Session – 6: QCD Phase Diagram	11:00 – 11:30	Beam Energy Scan Program at RHIC and new results from STAR	Lokesh Kumar <i>Kent State University, USA</i>
Chair: Sourendu Gupta	11:30 – 12:00	Critical Point – correlation and Fluctuations	Krzysztof Redlich <i>University of Wroclaw, Wroclaw, POLAND</i>
	12:00 – 12:30	Percolation & De-confinement	Brijesh Srivastava <i>Purdue University, USA</i>
	12:30 – 13:00	The Compressed Baryonic Matter (CBM) Experiment at FAIR	Peter Senger <i>GSI, Darmstadt, GERMANY</i>
13.00-14.00	Lunch		
14:00- 16:00	Parallel Sessions: Sessions – 7, 8, 9		
16:00- 16:30	Tea/Coffee		
16:30-18:10	Parallel Sessions: Sessions – 10, 11, 12		
18:10 – 20:00	POSTER SESSION		

Sessions: 7, 8, 9 (7th Dec: 14:00 – 16:00)

7th Dec 2010	Session – 7 Event Shape & Flow Ajit Mohanty	Session – 8 Heavy Flavour and Quarkonia Sourav Sarkar	Session – 9 QCD Models Bindu Bambah
14:00 – 14:20	About the analysis of Proton-Proton collisions at ALICE using the Event Shapes PAIC, Guy for ALICE Collaboration	Probing QGP by heavy flavors DAS, Santosh Kumar	Macroscopic QCD and QGP DREMIN, Igor
14:20 – 14:40	Observation of Long-Range, Near-Side Angular Correlations in Proton-Proton Collisions at the LHC SEIXAS, Joao for CMS Collaboration	J/ψ suppression in the of presence of dissipative forces in a SQGP AGOTIYA, Vineet Kumar	QCD phase diagram using PNJL model with eight-quark interactions DEB, Paramita
14:40 – 15:00	Three-particle correlations at RHIC NETRAKANTI, Pawan Kumar for STAR Collaboration	Cold Nuclear Matter effects on Quarkonium production with extrinsic transverse momentum MANTAGNE Nicolas	Extended Nambu--Jona-Lasinio Model with covariant regularization MOREIRA, Joao
15:00 – 15:20	Charged particle's pT spectra and elliptic flow in $\sqrt{s}=200$ GeV Au+Au collisions: QGP vs. hadronic resonance gas. ROY, Victor	Open beauty production in pp collisions at 7 TeV with CMS MAZUMDAR, Kajari for CMS Collaboration	Quark Number Susceptibility in Hard Thermal Loop Perturbation Theory HAQUE, Najmul
15:20 – 15:40	Elliptic flow of light nuclei in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV JENA, Chitrasen for STAR Collaboration	J/ψ prompt and non-prompt cross sections in pp collisions at $\sqrt{s} = 7$ TeV YANG, Zongchang CMS Collaboration	Implementing the Landau-Pomeranchuk-Migdal (LPM) effect in a parton cascade COLEMAN-SMITH, Christopher
15:40 – 16:00	The elliptic flow of Multi-strange hadrons in $\sqrt{s_{NN}} = 200$ GeV Au + Au collisions at STAR SHI, Shusu for STAR Collaboration	Upsilon production cross section in pp collisions at $\sqrt{s} = 7$ TeV SIMONETTO, Franco for CMS Collaboration	Towards faster computation of higher order quark number susceptibilities in QCD SHARMA, Sayantan

Sessions: 10, 11, 12 (7th Dec 16:30 – 18:10)

7 th Dec 2010	Session – 10 Strangeness & Resonance Anju Bhasin	Session – 11 QCD Models and Astrophysics Sanjay Ghosh	Session – 12 Equation of State Sanatan Dugal
16:30 – 16:50	Strange Particle Production in pp Collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ALICE Experiment Dr. OESCHLER, Helmut For ALICE Collaboration	In-medium hadronization in the deconfined matter at RHIC and LHC BELLWIED, Rene	The gluon condensates and the QGP equation of state NAVARRA, Fernando
16:50 – 17:10	Production of anti-nuclei IN pp collisions at $\sqrt{s} = 7$ TeV with ALICE at LHC SHARMA, Natasha for ALICE Collaboration	Hot and dense matter in quark-hadron models SCHRAMM, Stefan	Meta-stable States in Quark-Gluon Plasma DEKA, Mridupawan
17:10 – 17:30	Recent resonance results in p+p collisions at LHC energies from the ALICE detector MARKERT, Christina	Effect of running coupling on photons from jet - plasma interaction in relativistic heavy ion collisions BHATTACHARYA, Lusaka	Exotics from heavy ion collisions NIELSEN, Marina
17:30 – 17:50	Measurement of the branching ratio of a rare decay $\eta \rightarrow \pi^0 \gamma \gamma$ with WASA-at-COSY LALWANI, Kavita	Modeling pp-collision using DIS model of the proton from HERA TRIBEDY, Prithwish	Influence of the pasta phase on neutrino opacities MENEZES, Debora
17:50 – 18:10	Measurement of Transition Form Factor of eta meson with WASA-at-COSY BHATT, Himani	Nuclear matter and neutron star matter with quark gluon phase transition in the effective chiral model SAHU, Pradip Kumar	Entropy scaling from chaotically produced particles in p+p collisions at LHC energies DAS, Supriya



8th December 2010

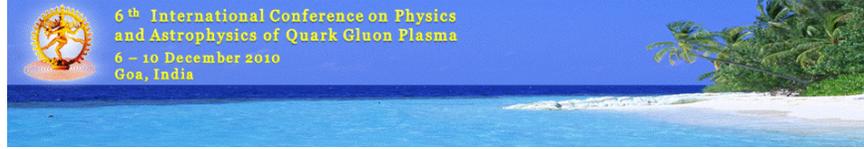
Session	Time	Topic	Speaker
Session – 13: Jet Quenching	09:00-09:30	Energy loss and jet physics in heavy ion collisions	Peter Levai <i>KFKI Budapest, HUNGARY</i>
Chair:	09:30-10:00	From Quarkonium Correlators to Heavy-Quark Diffusion in the QGP	Ralf Rapp <i>Texas A&M, U.S.A</i>
	10:00 – 10:30	Photons and Jets in ALICE	Andreas Morsch <i>CERN, Geneva, SWITZERLAND</i>
Tea/Coffee			
Session – 14: Hydrodynamics and AdS/CFT	11:00 – 11:30	AdS/CFT and sQGP	Aninda Sinha <i>Perimeter Institute, Waterloo, CANADA</i>
Chair: Dinesh K. Srivastava	11:30 – 12:00	What do we know about the viscosity of QCD matter?"	Steffen Bass <i>Duke University, Durham, USA</i>
	12:00 – 12:30	Causal dissipative Hydrodynamics and Heavy Ion Collisions	Asis Chaudhuri <i>Variable Energy Cyclotron Centre, Kolkata, INDIA</i>
	12:00 – 13:00	Event by Event hydrodynamics and two particle correlations	Takeshi Kodama <i>Universidade Federal do Rio de Janeiro, Brazil</i>
13.00-14:00	Lunch		
14:00- 16:00	Parallel Sessions – Sessions 15, 16, 17		
16:00- 16:30	Tea/Coffee		
16:30-18:10	Parallel Sessions – Sessions 18, 19, 20		
19.00	Conference Dinner		

Sessions: 15, 16, 17 (8th Dec 14:00 – 16:00)

8th Dec 2010	Session – 15 Global Observables and QCD Critical Point Bedanga Mohanty	Session – 16 Heavy Flavour and Quarkonia Abhijit Bhattacharya	Session – 17 Electromagnetic Probes Basanta Nandi
14:00 – 14:20	Energy dependence of high-moments of net-proton distributions at RHIC RITTER, Hans Georg for STAR Collaboration	Quarkonia measurements on the first year of proton-proton collisions at $\sqrt{s}=7$ TeV in ALICE. PAL, Sanjoy for ALICE Collaboration	Characterizing quark gluon plasma by lepton interferometry MOHANTY, Payal
14:20 – 14:40	Probing the QCD Critical Point by Higher Moments of Net-Charge Distribution SAHOO, Nihar Ranjan STAR Collaboration	Open Charm Analysis at Midrapidity in ALICE using the first year of pp data at $\sqrt{s}=7$ TeV BALA, Renu for ALICE Collaboration	Direct photon production in proton-nucleus and nucleus-nucleus collisions CEPILA, Jan
14:40 – 15:00	On Locating the Critical End Point in the QCD Phase Diagram SRIVASTAVA, Prashant Kumar	Heavy Flavour Measurements in pp collisions at 7 TeV with the ALICE Experiment at LHC ZAMPOLLI, Chiara for ALICE Collaboration	Inclusive production of neutral pion in pp collisions at 0.9 and 7 TeV and perspectives for heavy-ion measurements with the ALICE calorimeters KHARLOV, Yury for ALICE Collaboration
15:00 – 15:20	Photon Multiplicity measurements at forward rapidity in the ALICE experiment at CERN PRASAD, Sidharth for ALICE Collaboration	Study of Charm and Beauty using electron- D^0 azimuthal correlations in the STAR experiment at RHIC Sonia Kabana STAR Collaboration	Photon and π^0 Triggered Two-Particle Correlations in Proton-Proton Collisions at LHC with ALICE MAO, Yaxian for ALICE Collaboration
15:20 – 15:40	Using CMBR analysis tools for flow anisotropies in relativistic heavy-ion collisions PANDIAT, Saumia	Open charm measurement in p+p $\sqrt{s}=200$ GeV collisions at STAR TLUSTY, David for STAR Collaboration	Interference of thermal photons in relativistic heavy ion collisions CHATTERJEE, Rupa
15:40 – 16:00	Kaon and Lambda production in heavy ion collisions NAYAK, Jajati Kesari	Nuclear suppression of heavy quark production at forward rapidities at RHIC and LHC <u>UMME JAMIL, Begum</u>	Equation of state of strongly interacting matter: spectra for thermal particles and intensity correlation of thermal photons DE, Somnath

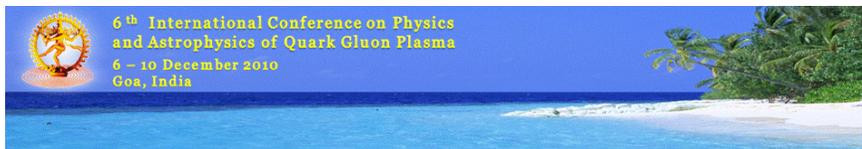
Sessions: 18, 19, 20 (8th Dec 16:30 – 17:50)

8th Dec 2010	Session – 18 CP Violation and Chiral Phase Transition Munshi Gulam Mustafa	Session – 19 Strangeness and Resonances Madan M. Aggarwal	Session – 20 Detector Performances Md. Irfan
16:30 – 16:50	A novel study of CP violation in the quark-gluon plasma at RHIC using the PHENIX detector AJITANAND, Nuggehalli for PHENIX Collaboration	The rho meson in hot hadronic matter and low mass dilepton spectra GHOSH, Sabyasachi	Performance studies of the PHENIX Hadron Blind Detector GARG, Prakhar for PHENIX Collaboration
16:50 – 17:10	The Chiral Phase Transition in Lattice QCD with Domain-Wall Fermions HEGDE, Prasad	ρ^0 vector-meson elliptic flow (v_2) measurement in STAR experiment at RHIC PUJAHARI, Prabhat for STAR Collaboration	Status and future perspective of the NA61/SHINE experiment SLODKOWSKI, Marcin
17:10 – 17:30	Universal Properties of the Chiral Transition MUKHERJEE, Swagato	K^* meson production in $p+p$ and $d+Au$ collisions at $\sqrt{s_{NN}} = 200$ GeV with PHENIX experiment at RHIC MISHRA, Dipak PHENIX Collaboration	The development of high performance online tracker for High Level Triggering of Muon Spectrometer of ALICE DAS, Indranil for ALICE Collaboration
17:30 – 17:50	Chiral symmetry breaking in strong magnetic background CHATTERJEE, Bhaswar	Measurement of semi electronic decay of heavy flavor mesons in $d+Au$ collision at RHIC using PHENIX detector TARAFDAR, Sourav for PHENIX Collaboration	Di-muon measurements in CBM experiment at FAIR PRAKASH Arun



9th December 2010

Session	Time	Topic	Speaker
Session – 21: Quarkonia and EM Probes Chair: Sibaji Raha	09:00 – 09:30	Charmonium Production at the QCD Phase Boundary	Peter Braun-Munzinger <i>GSI, Darmstadt, GERMANY</i>
	09:30 – 10:00	Flow from Electromagnetic Probes	Jan-e Alam <i>Variable Energy Cyclotron Centre, Kolkata, INDIA</i>
	10:00 – 10:30	EM probe and Heavy Flavour: recent results from PHENIX	Deepali Sharma <i>Weizmann Institute, Rehovot, ISRAEL</i>
	10:30 – 11:00	Recent results from HADES	Joachim Stroth <i>GSI, Darmstadt, GERMANY</i>
Tea/Coffee			
Session – 22: LHC Physics Chair: Helmut Oeschler	11:20 – 11:50	Diffraction physics at the LHC	Jean-Pierre Revol <i>CERN, Geneva, SWITZERLAND</i>
	11:50 – 12:10	Performance and First Physics results of the ALICE Muon Spectrometer	Debasish Das <i>Saha Institute of Nuclear Physics, Kolkata, INDIA</i>
	12:10 – 12:30	First results from the ATLAS experiment at the LHC	German David Carrillo Montoya <i>University of Wisconsin, USA</i>
12:30 – 19:00	Excursion		



10th December 2010

Session	Time	Topic	Speaker
Session – 23: Upcoming Facilities Chair: Yves Schutz	09:00 – 09:25	The Electron Ion Collider: Physics Opportunities & Realization Challenges	Abhay Deshpande <i>SUNY, Stony Brook, USA</i>
	09:25-09:50	Physics capabilities of PANDA experiment at FAIR	Dipanwita Dutta <i>GSI, Darmstadt, GERMANY</i>
	09:50 – 10:15	J-PARC Facilities and Physics	Susumu Sato <i>J-PARC, JAPAN</i>
	10:15 – 10:40	NICA/MPD project at JINR	Genis Muslimanbekov <i>Joint Institute for Nuclear Research, Dubna, RUSSIA</i>
		Tea/Coffee	
Session – 24: Concluding Session Chair: Lodovico Riccati)	11:00 – 11:40	Summary – 1	Nu Xu, <i>LBNL, Berkeley, USA</i>
	11:40 - 12:30	Summary – 2	Larry McLerran <i>BNL, USA</i>
	12:30	Concluding Remark	Bikash Sinha <i>Variable Energy Cyclotron Centre, Kolkata, INDIA</i>
	13:00	LUNCH and End of the Conference	