

Department of Theoretical Physics

Special Free Meson Seminar

<i>Speaker</i>	:	Jajati Nayak (VECC, Kolkata)
<i>Topic</i>	:	Electromagnetic radiations from Au+Au collisions at RHIC and Pb+Pb collisions at LHC energies
<i>Day, Date & Time</i>	:	Friday, February 22, 2013 at 11:30 a.m.
<i>Place</i>	:	Theoretical Physics Seminar Room (A304)

Abstract

The recently available experimental data on direct photon productions from Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV RHIC and from Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV LHC energies have been analysed. The transverse momentum (p_T) distributions have been evaluated with the assumption of an initial quark gluon plasma phase at energy densities $\epsilon_i=41$ and 70 GeV/ fm^3 with initial thermalisation times $\tau_i=0.2$ and 1.0 fm/c respectively for RHIC and LHC energies.

(Nilmani Mathur)