# ICTS Seminar

Title        :  Applications of M-theory Uplifted Desingularized Conifold Geometries Relevant to Holographic Therma QCD at Finite Coupling

Speaker  :   Karunava Sil, Indian Institute of Technology Roorkee, Uttarakhand

Date       :  Tuesday, November 21, 2017

Time       :  11:30 AM

Venue      :  Nambu Discussion Room (Left), ICTS Campus, Bangalore

Abstract :   Using a top-down holographic dual of large-N thermal QCD of Dasgupta et al [2009], its  type IIA mirror and M-theory uplift worked out by Dhuria and Misra [2013], we will discuss holographic computation of  lattice compatible deconfinement temperature, the temperature dependence of DC conductivity and the N(ext to) L(eading) O(rder) correction to diffusion constant, speed of sound, the shear-viscosity-to -entropy-density  ratio of large-N  thermal  QCD. On  the holographic phenomenology side, we will discuss evaluation of $0++$,  $0--$,  $0-+$,  $1++$,  $2++$  Glueball  masses using  the  same  gravitational dual(s).