

TIFR Centre for Interdisciplinary Sciences

21, Brundavan Colony, Narsingi, Hyderabad 500 075

Seminar

New Form of Matter: De-confined state of Quarks and Gluons

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The fundamental constituents of visible matter are quarks, gluons and leptons. The quarks and gluons are not found to exist in a free state in nature. They are confined inside particles called as hadrons. However they were in a free state in the micro-second old Universe. We will discuss the formation of such a primordial matter in laboratory and its properties. This will lead us to address the question of how does the phase diagram of strong interaction (one of the four basic interactions that occur in nature) look like. We will the advances made discuss recent understanding the phase diagram of strong interactions.

Thursday, Apr 28th 2016

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS