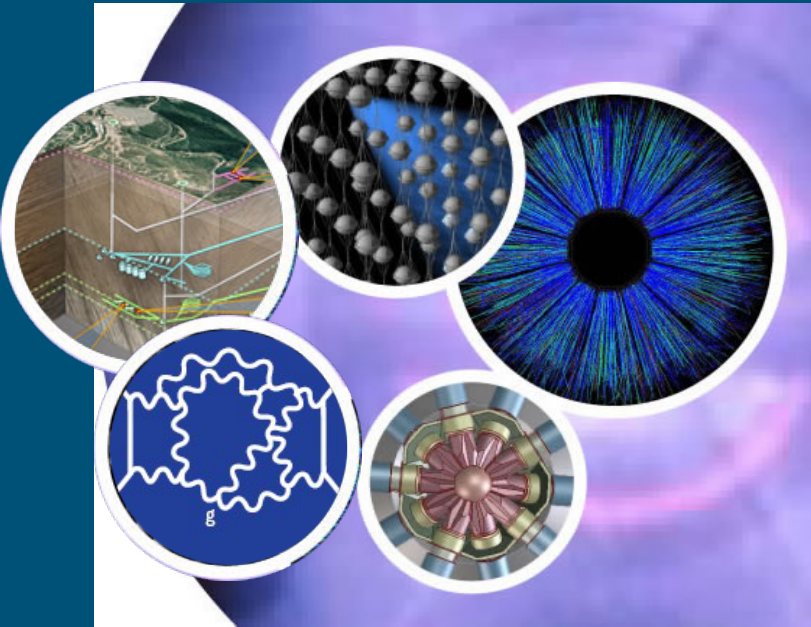


Nuclear Science Division Colloquium

High Energy Nuclear Collisions and QCD Phase Structure



Dr. Nu Xu
LBNL

Wednesday
September 14, 2011
11:00 am
Bldg. 50-Auditorium

Abstract: One of the most exciting goals in the field of high-energy nuclear collisions is to understand the phase structure of matter with partonic degrees of freedom, especially the transition from the hadronic phase to the partonic phase: the quark-gluon plasma (QGP). It is believed that the QGP phase dominates the evolution briefly during the early time of the Universe. In this talk, after reviewing the basic concepts about the high-energy nuclear collisions, I will discuss recent progresses from the STAR experiment at RHIC. Our current view on the future physics program at RHIC will be discussed as well.



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