



THURSDAY COLLOQUIUM

Department of Physics, Tsinghua University

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Title High-Energy Nuclear Collisions and the QCD Phase Structure

Speaker Pro. Nu Xu

Lawrence Berkeley National Laboratory and
Central China Normal University

Venue 清华大学理科楼郑裕彤讲堂

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Abstract: One of the most exciting goals for the field of high-energy nuclear collisions is to understand the phase structure of matter with partonic degrees of freedom especially the transition from hadronic phase to 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 basic concepts about the high-energy nuclear collisions, I will discuss the recent progresses in STAR experiment at RHIC. I will focus on the progresses of the exploring of the QCD phase structure. In addition, I will address briefly our current view on the future physics program at RHIC.

Introduction to the Speaker



许怒:

- 1982 B.S., 中国科学技术大学
- 1990 Ph.D., SUNY at Stony Brook, U.S.
- 1994 Director's Fellow, Los Alamos National Lab.
- 1997 Divisional Fellow, Lawrence Berkeley National Lab.
- 2001 Senior Scientist, Lawrence Berkeley National Lab.
- 2008 Spokesman, STAR Experiment at RHIC
- 2009 APS Fellow
- 2010 中组部千人计划, 华中师范大学