

安徽省基础学科(理论物理) 研究中心系列讲座

Understanding hadrons near the QCD cross over

报告专家: Prof. Sourendu Gupta (Tata Institute of Fundamental Research)

报告时间: 2025年11月19日 16:00 – 17:30

报告地点: 物质科研楼 C404

报告摘要:

The properties of strongly interacting matter made of hadrons change very rapidly near the QCD cross over. This has been studied numerically using the methods of lattice gauge theory, and much is known about the thermodynamics of this matter. However, lattice methods have difficulty answering questions about departures from equilibrium. An effective field theory can now be used to address both the equilibrium and departure from equilibrium. This begins to give a complex picture of hadrons near the cross over.



报告人简介:

Prof. Sourendu Gupta is a member of the International Center for Theoretical Sciences, Tata Institute of Fundamental Research. His interest is in quantum field theory at high temperature and density. He did his doctoral work in the Tata Institute and post-doctoral research in the Institute of Mathematical Sciences (Chennai), University of Bielefeld, CERN, and KFA Juelich before joining the Tata Institute as faculty. He is a member of Indian Academy of Sciences and the Indian National Science Academy.