

<<夸克-胶子等离子体 3/QUARK-G>>

图书基本信息

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内容概要

This is a review monograph on quark-gluon plasma (QGP). Different theoretical and experimental aspects of the program to produce QGP in relativistic heavy-ion collisions are covered by experts in the field. This is the third volume in a series on the subject, and the first such monograph to focus on the implications of the experimental results from RHIC, the relativistic heavy-ion collider at the National Brookhaven Laboratory. The review articles will be useful to experienced researchers as well as to graduate students entering the field.

书籍目录

Thermodynamics and In-Medium Hadron Properties from Lattice QCD Thermodynamics of the High-Temperature Quark-Gluon Plasma Jet Quenching and Radiative Energy Loss in Dense Nuclear Matter Gluon Radiation and Parton Energy Loss The Color Glass Condensate and High Energy Scattering in QCD Electromagnetic Radiation from Relativistic Nuclear Collisions Event by Event Fluctuations Particle Production in Heavy Ion Collisions Hydrodynamical Description of Collective Flow Hydrodynamic Description of Ultrarelativistic Heavy Ion Collisions Central and Non-Central HBT from AGS to RHIC

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