

Hadrons And Quark-gluon Plasma

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Provides an accessible introduction to the rapidly expanding field of hadronic interactions and quark gluon plasma. Before matter as we know it emerged, the universe was filled with the primordial state of hadronic matter called quark-gluon plasma. This hot soup of quarks and gluons is effectively an inescapable consequence of our current knowledge about the fundamental hadronic interactions: quantum chromodynamics. This book covers the ongoing search to verify the prediction experimentally and discusses the physical properties of this novel form of matter. It begins with an overview of the subject, followed by discussion of experimental methods and results. The second half of the book covers hadronic matter in confined and deconfined form, and strangeness as a signature of the quark-gluon phase. Covering the basics as well as more advanced material, it is ideal as an introduction for graduate students, as well as providing a valuable reference for researchers already working in this and related fields. EAN/ISBN : 9780511037276 Publisher(s): Cambridge University Press Format: ePub/PDF Author(s): Letessier, Jean - Rafelski, Johann

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