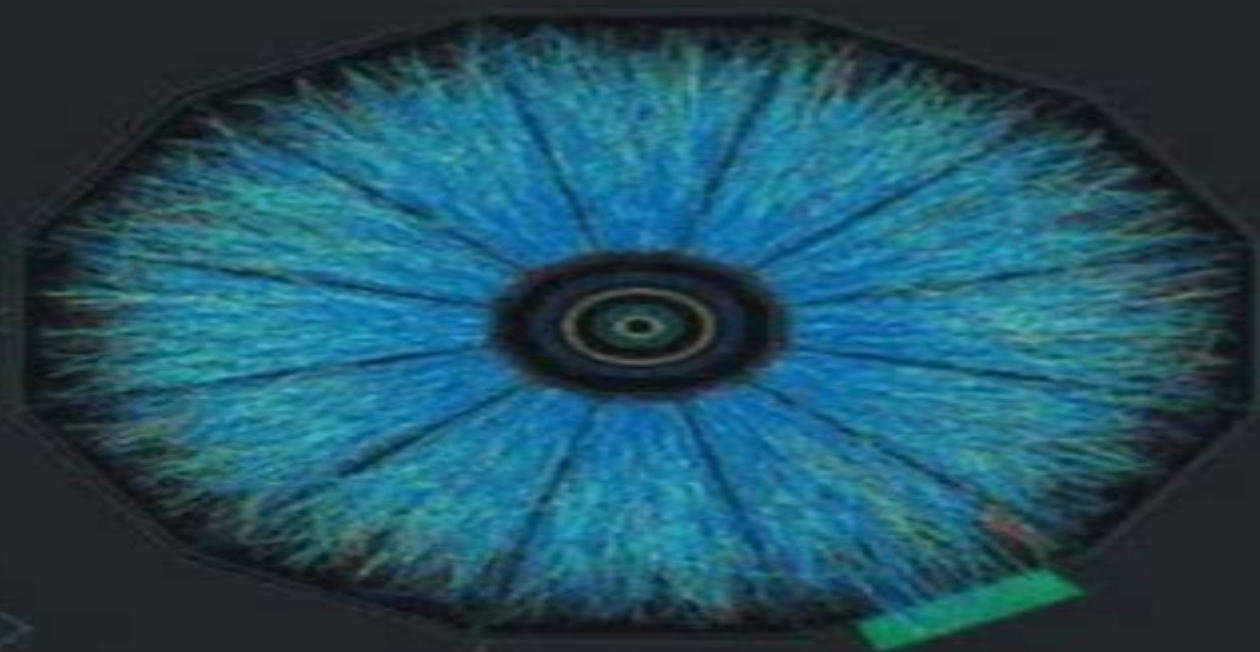


World Scientific Lecture Notes in Physics – Vol. 71

The QCD Vacuum, Hadrons and Superdense Matter

Second Edition



E. V. Shuryak

Qcd Vacuum Hadrons And Superdense Matter

Herbert Martin Fried, Berndt Muller



Qcd Vacuum Hadrons And Superdense Matter:

The QCD Vacuum, Hadrons, and Superdense Matter E. V. Shuryak, 2004 This invaluable book is an extensive set of lecture notes on various aspects of non perturbative quantum chromodynamics the fundamental theory of strong interaction on which nuclear and hadronic physics is based The original edition of the book written in the mid 1980 s had more of a review style

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Foundations of Quantum Chromodynamics Taiz? Muta, 2010 This volume develops the techniques of perturbative QCD in great pedagogical detail starting with field theory Aside from extensive treatments of the renormalization group technique The operator product expansion formalism and their applications to short distance reactions this book provides a comprehensive introduction to gauge theories Examples and exercises are provided to amplify the discussions on important topics This is an ideal textbook on the subject of quantum chromodynamics and is essential for researchers and graduate students in high energy physics nuclear physics and mathematical physics **Matter ,**

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