

Spherical-Harmonic Expansion Solution of Classical Transport Equations of Quark

CHEN Xiang-Jun and WANG Gang

Department of Physics, Harbin Institute of Technology, Harbin 150001, China
(Received: 2002-12-30; Revised:)

Abstract: The spherical-harmonic method of solving classical transport equation of quark is investigated. The hydrodynamics description of QGP as well as the relation between diffusion approximation and collective flow in nuclear collisions are discussed.

PACS: 12.38.Mh, 24.10.pa

Key words: spherical-harmonic, transport equation, collective flow

[\[Full text: PDF\]](#)

Close