2002 Vol. 37 No. 4 pp. 439-442 DOI:

Gluon Transport Properties in the Region of Coexistence of Both Hadronic and QGP Phases

CHEN Xiang-Jun¹ and LIU Wei²

Abstract: The transport properties of gluon in color space in a system of coexistence of both hadronic and QGP phases are investigated from the quantum transport equation of gluon.

PACS: 12.38.Mh, 24.85.+p, 24.10.Pa, 25.75.-q

Key words: transport property, coexistence of two phases, gluon, color space

[Full text: PDF]



¹ Department of Physics, Harbin Institute of Technology, Harbin 150001, China

² Department of Physics, University of Northeast Forestry, Harbin 150040, China (Received: 2001-5-8; Revised:)