

Department of Theoretical Physics

Special Free Meson Seminar

- Speaker* : Sandeep Chatterjee
(Center for High Energy Physics,
Indian Institute of Science, Bangalore)
- Topic* : Investigating the thermodynamics
of the hadron resonance gas
- Day, Date & Time* : Tuesday, November 11, 2008
at 2:30 p.m.
- Place* : AG 69

Abstract

We make a quantitative estimate of the thermodynamic properties of the resonance gas and obtain the error bands that creep in because of the different model uncertainties. We conclude that the introduction of the Hagedorn model to the hadron spectrum stabilises the thermodynamic predictions, obtaining stable results for the abundance ratio K/π and the chemical freeze out curve.

(Saumen Datta)