Cern seminar, July 11, 2000

The Onset of Deconfinement in Nucleus-Nucleus Collisions at the CERN SPS

P. Seyboth
Max-Planck-Institut fuer Physik, Munich, Germany

Contents

- Introduction
  - properties of ultra-dense matter
  - schematic picture of ultrarelativistic nucleus-nucleus collisions
- Physics Results and Interpretation
  - energy density
  - space-time evolution – kinetic freezeout
  - strangeness enhancement – flavor equilibration
  - statistical hadronisation – chemical freezeout
  - J/Ψ suppression – color screening
  - ρ-meson modification – chiral restoration
  - thermal photons
- Conclusion and Outlook