

Café com Física

Cursos do Bar:

"Relativistic Heavy Ion Collisions"

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(28 de Maio a 1 de Junho)

Abstract

The aim of these lectures is to give an overall introduction to the field of ultra-relativistic heavy-ion collisions. The familiarity with the concepts presented in the lectures should facilitate the students' own work in this and other related fields (theoretical and experimental studies of strong interactions). The basic physical ideas will be presented and examples of the data will be shown, to illustrate what has been measured and what kind of information has been gained as the outcome of various experiments. Some lectures will be devoted to the relativistic kinetic theory and relativistic hydrodynamics. They may be treated as a direct extension of the regular courses in statistical physics.



Program:

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| 28 Maio 07
(9h-11h) | High Energy Nuclear Collisions |
| 29 Maio 07
(9h-11h) | Basic Dictionary and Basic Concepts |
| 30 Maio 07
(9h-11h) | Relativistic Kinetic Theory |
| 31 Maio 07
(9h-11h) | Relativistic Hydrodynamics |
| 1 Junho 07
(9h-11h) | Statistical Models of Heavy-Ion Collisions
Summary |