

Atomic physics and astrophysics seminar

Title: Highly charged ions: Producing hot astrophysical matter in traps

Speaker: Priv.-Doz. Dr. José R. Crespo López-Urrutia
Max-Planck-Institut für Kernphysik Heidelberg

Time: Tuesday, July 7, 15.15

Place: 1525-323

Abstract:

The production of highly charged ions with electron beam ion traps has allowed in the last two decades both to investigate fundamental interactions – such as QED – and to perform benchmark studies related to the diagnostics of very hot astrophysical and fusion plasmas. An introduction to these devices will be presented, and recent examples of its application to spectroscopy, lifetime studies, and photoionization will be given.

Michael Drewsen

Coffee, tea and cake will be served at 15.05