Seminar Series "Hot Topics in Astrophysics"

Thursdays 31 October 2002 – 10 April 2003, at 10:30

Room F6306 (at Chalmers, Physics, Forskarhuset, 6th floor)

COORDINATOR: Alessandro Romeo (romeo@fy.chalmers.se)

The Department of Astronomy and Astrophysics within the Centre for Astrophysics and Space Science welcomes you to our seminar series, which is addressed to an *audience of physicists and students in physics*. There will be coffee and cookies!

See you soon!!!

Alessandro

PROGRAMME

- **31 October**
  Galaxies in the Deep Universe
  — Duilia de Mello
- **7 November**
  Infrared Observations of Frozen Interstellar Molecules
  — Albert Nummelin (special guest from Chalmers Lindholmen)
- **14 November**
  Determination of the Orbit of the NGC 5194/5195 System
  — Mattias Wahde (special guest from the Department of Machine and Vehicle Systems)
- **21 November**
  Quasar Spectra: Analyzing the Fingerprints of the Interstellar Medium
  — Achim Tappe
- **28 November**
  The Struggle to Protect Radio Astronomy from Man-Made Interference
  — Anders Winnberg
- **5 December**
  Black-Hole Demographics
  — John Conway
- **12 December**
  The Cosmic Microwave Background: Origin, Anisotropies and Cosmological Parameters
  — Stefan Bergström
- **23 January**
  No Observational Proof for the Black Hole Event Horizon
  — Marek Abramowicz
- **30 January**
  Magnetospheres of Planets and Compact Objects
  — Ulf Torkelsson

- **6 February**
  Spiral Arms and the Mass Distribution in Galaxies
  — Magnus Thomasson
- **13 February**
  Science with the New APEX Telescope
  — Roy Booth
- **20 February**
  Structure Formation in the Early Universe
  — Gustaf Rydbeck
- **27 February**
  Towards Subquantum Equilibrium
  — Hans Westman
- **6 March**
  New Astronomy Results from the ODIN Mission
  — Åke Hjalmarson
- **20 March**
  The Final Evolution of Solar-Type Stars: The Importance of Extensive Mass Loss
  — Hans Olofsson (special guest from Stockholm Observatory)
- **27 March**
  New-Generation Cosmological, Galaxy and Plasma N-Body Simulations Using Wavelets
  — Alessandro Romeo
- **3 April**
  Dark Energy and the Accelerating Universe
  — Cathy Horellou
- **10 April**
  Massive Star Fomation: Dust and Masers
  — Michele Pestalozzi

NOTE: For updates see `http://fy.chalmers.se/veckoschema.html`