

Hirscheegg '06:

# Astrophysics and Nuclear Structure

International Workshop XXXIV on Gross Properties of Nuclei and Nuclear Excitations  
Waldemar-Petersen-Haus, Hirscheegg, Kleinwalsertal, Austria

January 15 – 21, 2006

Organizers: H. Feldmeier, K. Langanke (coordinator) and J. Wambach

Program Advisors: H. Grawe (GSI), K.L. Kratz (Mainz), F. Thielemann (Basel) and M. Wiescher (Notre Dame)

The list of speakers includes: M. Aliotta (Edinburgh), T. Beers (MSU), I. Borzov (Obninsk), A. Botvina (GSI), E. Brown (MSU), A. Byelikov (TUD), J. d'Auria (Triumpf), J. Fisker (Notre Dame), C. Fröhlich (Basel), R. Gallino (Turino), J. Goerres (Notre Dame), S. Goriely (Brussels), P. Haensel (Warsaw), W. Hammer (Stuttgart), M. Heil (Karlsruhe), F. Herwig (Los Alamos), T. Janka (MPI München), J. Jose (Barcelona), A. Junghans (Rossendorf), F. Käppeler (Karlsruhe), A. Kelic (GSI), K.-L. Kratz (Mainz), S. Kubono (Tokyo), J. Lattimer (Stony Brook), M. Liebendoerfer (Basel), Y. Litvinov (GSI), G. Martinez Pinedo (GSI), F. Montes (MSU), T. Motobayashi (Tokyo), T. Neff (MSU), T. Plewa (Chicago), T. Rauscher (Basel), S. Reddy (Los Alamos), E. Rehm (Argonne), R. Reifarth (Los Alamos), F. Röpke (Garching), J. Schaffner-Bielich (Frankfurt), H. Schatz (MSU), A. Schwenk (Seattle), K. Sonnabend (TU Darmstadt), W. Trautmann (GSI), C. Travaglio (Turino), S. Typel (GSI), A. Zilges (TU Darmstadt)

\* to be confirmed

Subjects: *Structure and evolution of stars (key reactions, solar neutrinos, s-process, solar models, ...) – Supernovae (electron capture on nuclei, neutrino reactions with nuclei, neutrino transport, explosive nucleosynthesis, supernova models and equation of state, gamma-ray bursts, ...) – nuclear structure at the limits, and r-process (r-process models, new data for masses and half-lives, global nuclear models, ...) – Explosive processes in double star systems (key reactions and models for explosive hydrogen burning and rp-process, novae, x-ray bursters, super bursters, ...)*

Scope of Meeting: The aim is to gather experimentalists and theorists working in this field. The number of participants is limited to about 70. Sessions will be organized from 9 to 12 in the morning, and from 5 to 7 in the afternoon. The program will be composed of the invited talks and selected contributions.

## Applications

should be submitted via the following Web-page  
<http://theory.gsi.de/hirscheegg/Registration.html>  
by November 13, 2005

## Further Information

is available by mail from the secretary

*Frau Heide Rinnert, Gesellschaft für Schwerionenforschung mbH,  
Planckstraße 1, D-64291 Darmstadt, Germany*

by E-mail: [h.rinnert@gsi.de](mailto:h.rinnert@gsi.de)

or from our page on the World Wide Web  
<http://theory.gsi.de/hirscheegg/>