

7th Russbach Workshop on Nuclear Astrophysics



MAX-PLANCK-GESELLSCHAFT



First Circular

Dear Colleagues,

We would like to announce that the 7th Russbach Workshop on Nuclear Astrophysics will again take place at the village of Rußbach am Paß Gschütt, southeast of Salzburg, Austria. The workshop will take place from March 14th (arrival) to March 20th (departure) 2010. We shall limit the number of participants to about 60 to ensure a convivial atmosphere, and the possibility to share dinners between all participants.

Keeping its tradition, the workshop will bring together specialists from the various sub-fields of astrophysics, astronomy, cosmochemistry and nuclear physics with the aim to raise mutual interest and to teach under- and postgraduate students, young postdocs as well as senior scientists interested to be introduced to the realm of nuclear astrophysics.

A special emphasis will be given to important questions/progresses in nuclear astrophysics. Therefore the workshop will be organized in major topical sessions, with dedicated time for basic introduction, presentations of the various aspects of the topic, and ample time for discussions. Lectures will be given in the morning (8:30 -- 12:00) and in the late afternoon (16:00 -- 19:30). The extended break in the early afternoon is devoted to discussions in smaller groups and out-door activities. For further information about the workshop style and the Dachstein West mountain region, see:

www.vistars.de

www.dachstein.net

www.russbach.info

www.tiefschnee.com.

Possibility will be offered to students/young researchers to give oral presentations.

We plan this year the following main topics to be treated :

The impact of equation of state and superfluidity on neutron stars

The formation of the solar system viewed from cometary, interplanetary dust information

Synthesis of heavy elements

Novae and x-ray bursters, constraints from hydrodynamics, observations and nuclear data

Very old (metal poor) stars as probes of distinct nucleosynthetic events

What is gamma-ray astronomy telling us about explosive events ?

The expenses for the workshop, including half board (breakfast and dinner), will be about 280 Euro per person in twin-room accomodation and about 340 Euro in a limited number of single rooms. In addition, we will ask for a modest registration fee of 80 Euro for senior scientists and postdocs, 40 Euro for PhD students, and 20 Euro for under- and postgraduate students.

If you are interested to participate, please fill the attached **pre-registration form** and send it back by e-mail to vistars@uni-mainz.de before December 15th, 2009. Details about the (preliminary) program, invited lecturers, travel and lodging will be provided in the second circular by December 20th.

The Scientific advisory committee is composed of

S. Bishop (Munich), M. Busso (Perugia), R. Diehl (Munich) , J. Duprat (Orsay)
A. Frebel (Cambridge), P. Hansel (Warsaw); S. Harrissopoulos (Athen), U. Ott (Mainz),
J. José (Barcelona), J Pereira (MSU), R. Pizzone (Catane), T. Rauscher (Basel), J. Truran
(Chicago), A. Zilges (Köln)

We are looking forward to meeting you in Russbach

The Organizers,
O. Sorlin, K.-L. Kratz and B. Pfeiffer