



Dear Colleagues,

We are pleased to announce the International Summer School

“Dynamics of open nuclear systems”

<http://www.theory.nipne.ro/predeal12>

July 9 – 20, 2012

Predeal/“Trei Brazi” summer complex of the Bioterra University

Directors: D.S. Delion, N.V. Zamfir

Scientific secretaries: Adriana Răduță, Ioan Ursu

Aim of the School

This edition celebrates 80-th birthday of Acad. Aureliu Săndulescu, well known due to the theoretical prediction of the cluster radioactivity. He organized the first International School on nuclear physics in 1964. This edition is devoted to open nuclear systems and is organized during two weeks.

Topics

A) The first week will mainly focus on decay phenomena

- **cluster radioactivity,**
- **stability of superheavy nuclei,**
- **fine structure of decay processes,**
- **fission and fusion,**
- **beta and double beta decay,**
- **pairing versus a α -clustering.**

B) The second week will deal with open nuclear systems

- **exotic nuclei at drip lines,**
- **heavy ion reactions and multi-fragmentation phenomena,**
- **symmetries and phase transitions of open quantum systems,**
- **supernovae and neutron stars.**

Accommodation

The accommodation is at Trei Brazi summer complex of the Bioterra University, near the town of Predeal, 150 km from Bucharest airport. It is a sunny place having a beautiful panorama on the surrounding mountains. The Conference hall is situated in the hotel.

Fees

The price (full lodging, meals, coffee breaks, Proceedings) is 60 (50) euro/day for single (double) occupancy of the room. The accompanying persons will be asked to pay 30 euro/day. A limited financial support will be given for students.

Proceedings

will be published by Journal of Physics/ Conference series

Correspondence address

All correspondence should be sent to

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More detailed information will be given in the Second Announcement at the end of January 2012.