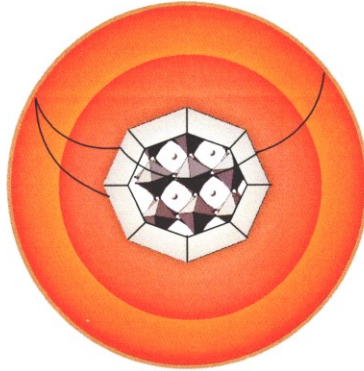


GNM INTERNATIONAL SCHOOL

HP-HT

MINERAL PHYSICS



IMPLICATIONS

FOR GEOSCIENCES

Bressanone (Italy) 11-15 February 2008

GRUPPO NAZIONALE DI MINERALOGIA

SCIENTIFIC COMMITTEE

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INTERNATIONAL SCHOOL OF MINERALOGY

“HP-HT MINERAL PHYSICS”

BRESSANONE FEBRUARY 11-15 2008

The Italian Mineralogical National Group (GNM) announces a Mineralogical International School on “HP-HT MINERAL PHYSICS” that will be held at Bressanone (Northern Italy) in February 2008 (11-15th, at “Casa della Gioventù” of University of Padova, Italy). The scope of the school is that to show how the experimental data collected under non ambient conditions (HP and HT) on minerals can be crucial in petrology, geodynamics and geophysics at earth global scale. The school is mainly directed to young researchers in mineralogy, crystallography, petrology, and geophysics and the invited speakers are among the most known scientists at international level in the field. The language of the school is English.

A preliminary scientific programme of the school and the list of speakers is following reported:

- 1) **Ross J. Angel**: Introduction to the high-pressure/high-temperature problems: a general overview.
- 2) **Nancy L. Ross**: High-pressure and high-temperature crustal-chemistry.
- 3) **Sergio Speziale**: Mineral physics of Earth interior.
- 4) **Ross J. Angel**: Single-crystal X-ray diffraction at high-pressure.
- 5) **Fernando Cámara Artigas**: Single-crystal X-ray diffraction at high-temperature.
- 6) **Nancy L. Ross**: IR and Raman spectroscopy at high-pressure and high-temperature.
- 7) **Jennifer Jackson**: Brillouin scattering at high-temperature.
- 8) **Alessandro Pavese**: X-ray powder diffraction at high-pressure
- 9) **Ross J. Angel and Fabrizio Nestola**: Practice on assembling diamond anvil cells, microRaman measurements, equation of state determination (instruments and software will be used during the school)
- 10) **Sergio Speziale**: Brillouin scattering at high-pressure
- 11) **Paolo Ballirano**: Practice on X-ray powder diffraction at high-temperature (using webcam connected with the diffraction lab of Dipartimento di Scienze della Terra (University “La Sapienza” of Rome)
- 12) **Patrizia Fumagalli**: Theory and practice on multi-anvil press
- 13) **Patrizia Fumagalli**: From elastic properties to the stability fields
- 14) **Jennifer Jackson**: From mineralogy to the geophysics: applications
- 15) **Paolo Nimis**: Geothermometry and geobarometry: applications
- 16) **Taras Geyra**: Modelling in geophysics

The registration fee is 500 € and will include four night accommodation and all meals and refreshments during the school as well as all social events. The number of participants is limited to 30 people, therefore early registration is advised. A pre-registration should be done within July 15th 2007 sending the pre-registration form (attached) to luciano.secco@unipd.it. In case the number of participants will be higher than 30, people not registered before July 15th 2007 will pay an additional rate.

The second circular with all the definitive details about the school and the registration fee will be available from September 15th 2007.