

INTERNATIONAL Astroparticle Physics SYMPOSIUM

Join Us!

May 6-8, 2008

Colorado School of Mines

Golden, Colorado

THE HIGH ENERGY FRONTIER

Recent developments in Astroparticle Physics have begun to revolutionize our view of the most energetic processes in the present Universe. From TeV gamma-rays to ZeV cosmic rays, the high energy frontier is beginning to probe particle interactions at the highest energies while the most energetic cosmic accelerators become directly observable. The implications of these new findings for particle physics and astrophysics are only starting to become clear. A new era of multi-messenger particle astronomy is dawning, opening a new window to the Universe. The time is right for observers, experimenters, and theorists to examine the state of the field.

The International Astroparticle Physics Symposium (IAPS) will be a forum to discuss questions such as:

- *What are the sources of the highest energy cosmic-rays, gamma-rays, and neutrinos?*
- *What are the source locations, spectra, and composition?*
- *What are the acceleration mechanisms?*
- *How does propagation affect the observables?*
- *What are the intervening cosmic magnetic fields?*
- *How do particles interact at the highest observed energies?*
- *What should be the focus of the next generation instruments in this field?*

The program includes plenary sessions by invited speakers summarizing the state of the art in high-energy astroparticle physics. Afternoon workshops offer the opportunity to contribute your own views and results in an open and inspiring atmosphere. A panel discussion on future physics goals and next-generation instruments will be the highlight of the symposium.

A second circular will be sent around mid-January with registration and accommodation information. In the meantime, please visit the symposium website to download a printer-friendly version of this circular and the poster of the symposium.

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