

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

On **July 5, 2007** at **14:30**, **R. Sparvoli** from **“Tor Vergata” University of Rome** and **INFN** will give a seminar entitled:

“Performance and preliminary results of the space telescope PAMELA”

Abstract:

The PAMELA apparatus is designed to study charged particles in the cosmic radiation. A Russian earth-observation satellite, the Resurs-DK1, which was launched into space by a Soyuz rocket on the 15th of June 2006 from the Baikonur cosmodrome, hosts it. The scientific objectives addresses by the mission are the measurement of the antiprotons and positrons spectra in cosmic rays, the hunt for anti-nuclei as well as the determination of light nuclei fluxes from hydrogen to oxygen in a wide energy range and with very high statistics. Since the 11th of July 2006, after a short period of satellite operation, PAMELA is in continuous data taking mode.

This talk will present an overview of the scientific rationale of the mission, will describe the instrument in detail and report about its performance in flight together with the first preliminary results.

(“Segre” room)