

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

Askhat Gazizov

(DESY Zeuthen)

**Ultrahigh-energy cosmic
rays: protons vs. nuclei**

I plan to discuss several theoretical aspects of the controversial situation in UHECR physics. Data of Pierre Auger Observatory, Telescope Array and HiRes experiment will be considered. Different consequences of the popular models for the future detectors will be pointed out. A possibility to partially reconcile the Auger and HiRes/TA data in the framework of prompt neutron oscillation model will be proposed.

MARCH 1, 2012 – 2:30 PM
LNGS - “B. PONTECORVO” ROOM