

**LABORATORI NAZIONALI DEL GRAN SASSO**

**SEMINAR ANNOUNCEMENT**

On September 26, 2007 at 14:30, Gennady Lykasov from JINR,  
Dubna, Russia will give a seminar entitled:

**“HADRON PRODUCTION  
IN NEUTRINO INTERACTIONS  
WITH NUCLEONS AND NUCLEI  
AT HIGH ENERGIES”**

Abstract:

**A review on hadron production in neutrino interactions with nucleons and nuclei within the quark-gluon string model is presented. The suggested approach results in a satisfactory description of the experimental data obtained recently at CERN by NOMAD Collaboration. The data extends over a wide range of initial neutrino energies up to 200.GeV and momentum transfers till 7.GEv/c, well into the region where perturbative QCD calculations are not applicable. An advantage of the suggested approach in comparison to the conventional Monte Carlo generator is shown. A possible application of this approach to estimate the background for the OPERA experiment is discussed.**

**(“B. Pontecorvo” room)**