

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

On **March 24, 2009**, at **4:00 pm**, **T. Spadaro** from **INFN - LNF**
will give a seminar entitled:

**“New physics tests with the KLOE
experiment”**

Abstract

Recent results from the KLOE experiment provide state-of-the-art tests of new physics effects beyond the standard-model (SM) predictions. The KLOE measurements of the CKM parameter V_{us} , of the ratio V_{us}/V_{ud} , and of the ratio of leptonic K decay widths $\Gamma_{K\ell 2}/\Gamma_{K\ell 2}^{\text{SM}}$ are presented, with some emphasis on the analysis techniques allowing systematic uncertainties to be pushed down to 1% level or better. The physics implications of the present results and the perspectives for further improvements after detector updates and a foreseen new data taking are discussed.

(“B. Pontecorvo” room)