

**LABORATORI NAZIONALI DEL GRAN SASSO**

**THEORETICAL SEMINAR  
ANNOUNCEMENT**

**On May 31, 2007 at 15:00, Merab Gogberashvili from Tbilisi  
Institute of Physics, Georgia, will give a seminar entitled:**

**“Spherical Brane Model”**

Abstract:

**The model where Universe is considered as an expanding spherical brane allows us to explain its observed expansion rate without a dark energy component. The Shell-Universe model also provides a natural mechanism for local increasing of the brane tension leading to the modified Newton’s law alternative to galactic dark matter. It is possible to reformulate Special Relativity arguments so that the spherical brane-Universe model with global preferred frame does not contradict the modern observational data.**

**(“B. PONTECORVO” room)**

