# LSC Scientific Committee
# 6th Meeting

### April 15 and 16, 2010
### Canfranc Estación, Spain

## Summary, Conclusions and Recommendations

Director Bettini reported several important milestones: the Phase-II repairs of the Laboratory should be completed by May 18, 2010. Then, the authorizations to operate from the proper Authorities must be obtained by the University of Saragossa prior to occupancy. He expects to have these issues settled by July 2010.
The Director reported that EXP-04-2008 (ULTIMA) was withdrawn because the French funding agency ANR did not approve the proposal.
The Director reported on the possible location of the GEODYN detector in one of the small laboratories at 780 m from the Spanish entrance of the railroad tunnel. There would have to be a small tunnel drilled in the rock at the top of the stairs to locate one of the legs of the interferometer. The problem of fitting a drilling device into the space where the drilling needs to be done is being studied with specialized Companies.

The Director also stated that the CUNA hall would cost about 1.5 million euros. The accelerator would be a separate cost of similar amount and should be funded from separate sources.
The committee discussed holding a workshop in the spring of 2011. The workshop will cover a broad range of topics in underground physics. The program might feature underground accelerator measurements of nuclear cross sections of interest in solar and stellar physics. A local committee will have to be formed. There will also need to be a Program Committee composed of some of the local committee and perhaps members of the Science Committee and the Director of the Laboratory.
Some names discussed for the Program including members of the LSC Science Committee.
The report on LAGUNA was given and demonstrated that a very thorough engineering and geology study had been undertaken. LAGUNA is an EU co-funded design study for a possible location, amongst seven different sites, including LSC, of a next-generation “megaton” size underground detector for neutrino and other fundamental physics in a range of possible technologies, water Cherenkov, liquid scintillator and liquid argon TPC.

**The 7th meeting of the LSC Scientific Committee will be at Canfranc on 7 and 8 October 2010.**