

LSC Scientific Committee – 25th Meeting

19-20 November 2019

Canfranc-Estación

Summary, Conclusions and Recommendations

Introduction

The 25th meeting of the Canfranc Underground Laboratory (LSC) Scientific Committee was held on the 19th and 20th of November 2019 at LSC. The Scientific Committee welcomed new members: Gabriella Catanesi, Carlos Lacasta and Olof Tengblad (Teresa Marrodán is also a new member, who joined the Committee at the previous meeting, #24). The Committee heard presentations from ANAIS, TREX-DM, NEXT, CROSS, SuperKGD-Isc, DArT and DAMIC. The Committee also reviewed written reports on CLYC (thermal neutron background measurements), on a collaborative project with Jagiellonian University (HPGe spectrometer for material screening) and discussed the early stages of a proposal to create a biological research facility at the lab (not considered an EoI at this time).

A report from GEODYN together with a brief assessment of GEODYN by an external referee (Prof. Akito Araya, Earthquake Research Institute, University of Tokyo) was discussed by the Committee and the Director. This follows from a recommendation at the 24th SC meeting to have a fuller review of the GEODYN program, with comments from an external expert.

The Committee was pleased to learn from the Director of many beneficial developments at the lab that have been initiated by him. These include strengthening tech alliances, exploring synergies with other underground labs (DULIA), the addition of new lab personnel and developing new low-background assay projects such as RITA. Overall, the past period has been very productive for the lab.