

LSC Scientific Committee – 27th Meeting

9-10 December 2020

Virtual Meeting Online

Summary, Conclusions and Recommendations

Introduction

The 27th meeting of the Canfranc Underground Laboratory (LSC) Scientific Committee was held on the 9th and 10th of December 2020. Similar to the previous one, the meeting was held “online” using Zoom videoconference on account of the ongoing COVID-19 pandemic. The meeting ran smoothly again thanks to the efforts of LSC staff.

The Committee wishes to congratulate the LSC Director for all he has done in the past nine months to keep the scientific program at the lab going during the pandemic – in fact, to keep activities thriving! Also, the experiments and their teams endured many hardships, uncertainties and some delays; but they too persevered. The Committee was impressed by the data and analyses that were presented, and by the ongoing developments and progress. Well done, all!

The Committee heard presentations from NEXT, CROSS, ANAIS, DArTinArDM, HENSA and CLYC. There were also presentations from an Experiment Proposal for BabyIAXO (IAXO-D1 at LSC) and a Letter of Intent to grow and purify low-background NaI crystals underground. We reviewed written reports from the aforementioned experiments and SuperKGd-Isc (including Hyper-K activities), JASC, TREX-DM, GEODYN and DAMIC. The Committee was delighted that some of the presenters were not the spokespersons for their experiments. This was a nice opportunity for younger members of those collaborations to gain some exposure and to allow the Committee to get to know them better. Those presenters had a detailed understanding of their experiments and projects (having been closely involved); it was very effective communication.

To help keep the length of written reports manageable for future Scientific Committee meetings, the Director reported that he will be implementing a template or form that the experiments will be using to provide their updates. This will serve to highlight important news, results, progress and major changes since the previous Scientific Committee meeting. The Committee will appreciate these summaries; at the same time, experiments will continue to be able to provide any supplementary material (longer, free-form) if they want to provide more details.