

LSC Scientific Committee

24th Meeting

12,13 June 2019

Canfranc Estación

Summary, Conclusions and Recommendations

Introduction

The 24th meeting of the Canfranc Scientific Committee was held on 12 and 13 June 2019 at the Canfranc Laboratory. The highlights of the meeting were the experimental results coming from ANAIS and NEXT but good progress was reported across the scientific program. Oral presentations were made by CROSS, NEXT, DART, GEODYN and ANAIS. This has been a very productive half year for the laboratory and the Committee continues to be very impressed with the work of Dr. Peña Garay and his leadership of the laboratory. A new project regarding paleo detectors was presented and an EOI has been received regarding this. The meeting also heard a talk on “LiquidO – Solar Neutrino” by Anatael Cabrera about scintillators with high scattering to allow good spatial resolution.

The committee considered a proposal by the Director to purchase shielding copper and recommended this proceed.

The committee recommends that at its next meeting, a fuller review of the GEODYN program takes place with one or more outside experts to provide advice.

The LSC Consortium would like to acknowledge the excellent job done by the LSC SC Chairman, David Sinclair, whom has been wonderfully leading the committee over the last six years and ends his term at this meeting. We extend our acknowledgements to the SC committee members, Antonio Bueno, Berta Rubio and Cristiano Galbiati, whose valuable contribution also ends at the 24th SC meeting.