

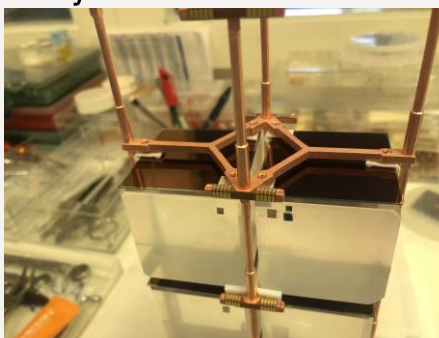
HK Workshop in Barcelona



A total of 20 scientists and technicians from Spain and Japan met on 2&3 of April in Barcelona to discuss different cover designs for Hyper-Kamiokande telescope will detect neutrinos thanks to 22000 (PMTs) placed inside the tank. After this meeting we are one step closer to the final design and the start of mass production.

CROSS RUN 10 is underway

RUN 10 is a general test of the CROSS demonstrator. A tower of 14 scintillating bolometers was assembled in Orsay and then installed in the CROSS cryogenic facility in Canfranc in May.



Each scintillating bolometer consists of a large cubic crystal containing the double beta isotope (Mo-100 and Te-130) and of a light detector.

New setup of DAMIC-M

Since June, the LSC has a new cutting-edge setup for reading scientific charge-coupled devices with an extraordinary capability: they can count electrons! It is currently in the commissioning phase, where the equipment is being tested, but environmental background measurements are expected soon.



Other relevant LSC Publications:

[Fluorescence Imaging of Individual Ions and Molecules in Pressurized Noble Gases for Barium Tagging in \$^{136}\text{Xe}\$](#) NEXT Collaboration•N. Byrnes(Texas U., Arlington) et al. (May 20, 2024)
e-Print: 2406.15422 [physics.ins-det]

[Canfranc biology platform: exploring life in cosmic silence](#)

Rebecca Hernández-Antolín, Laura Cid-Barrio and Carlos Peña-Garay, LSC
Front. Phys. 12:1397799. DOI 10.3389/fphy.2024.1397799 (April 24, 2024)

[AN AIS-112 three years data: a sensitive model independent negative test of the DAMA/LIBRA dark matter signal](#) Iván Coarasa et al. (Apr 26, 2024) e-Print: 2404.17348 [astro-ph.IM]