LSCNews

Laboratorio Subterráneo Canfranc

Newsletter 1/4 – Year 2023

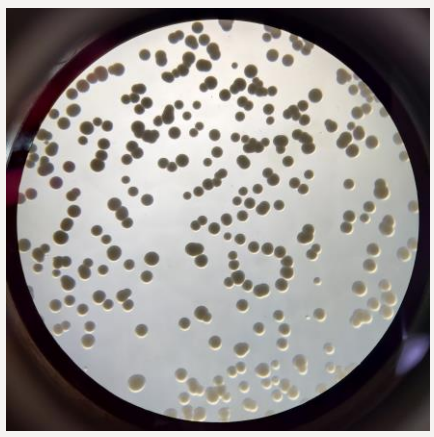
LSC & SOCIB HK Tests

Between 13 and 17 February, the Oceanographic Vessel B/O SOCIB was placed at the disposal of the LSC research program.

This collaboration between the two ICTS made it possible to validate the resistance to underwater implosion of the light sensors of the Hyper-Kamiokande international neutrino telescope in the bay of Palma, Mallorca.

LSC Biology Platform

Lorena Martínez, from I2SysBio,travelled to the LSC to carry out the first phase of the 'Yeast chronological aging and mutation rate' experiment in an underground environment. Two different variants have been studied to assess their viability after two weeks growing in a low radiation environment



New Additions to the LSC

Hilá Wasercier joined the LSC Staff as Procurement and Logistics Technician in the framework of the Recovery, Transformation and Resilience plan to support the Spanish contribution to the construction of the Hyper-Kamiokande neutrino detector (HKK).

Other relevant LSC Publications:

A Compact Dication Source for Ba^{2+} Tagging and Heavy Metal Ion Sensor Dev.

NEXT Collaboration, e-Print: 2303.01522.

Cosmic Background Neutrinos Deflected by Gravity: DEMNUni Simulation Analysis.

B, Hernández, C, Carbone, R, Jimenez and C, Peña Garay, e-Print: 2301.12430.

Thermal Neutral Background at Laboratorio Subterraneo de Canfranc.

J. Plaza et al, Astropart. Phys. 146 (2023) 102793.