

## Hydrostatic tests



The LSC acquired a Hydrostatic testing facility, currently installed at the LSC workshop, to test PMT cover prototypes designed in Spain to be used in the final layout.



These prototypes are tested in high pressure water environments, what is called a 'hydrostatic test', in order to be validated by the Hyper-Kamiokande collaboration.

## LSC Biology Platform



The LSC Biology Platform has begun to host the first proposals. Staff from several national research groups have visited Canfranc to start their experiments in the underground lab, which will study how the absence of cosmic rays affects life, using different biological models.



## New Additions to the LSC



Susana Ballarín joined the LSC Staff as Project Manager in the framework of the Recovery, Transformation and Resilience plan in relation to the Spanish participation in the construction of the Hyperkamiokande neutrino detector (HKK).

### **Other relevant LSC Publications:**

Thermal neutron background at Laboratorio Subterráneo de Canfranc (LSC),

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

Improving ANAIS-112 sensitivity to DAMA/LIBRA signal with machine learning techniques, I. Coarasa et al., *JCAP* 11 (2022), 048

Neutrinoless Double Beta Decay, C. Adams et al., e-Print: 2212.11099