

## Low Radioactivity Techniques (LRT2024)



Contribution ID: 79

Type: **Talk**

### Copper electroforming at Canfranc

*Thursday, 3 October 2024 11:00 (25 minutes)*

High purity copper continues to play an important role for ultra-low-background detectors on neutrino physics and dark matter experiments. Electroforming of copper is an electrochemical process that enables the manufacture of metallic parts with high chemical and radioactive purity, process reproducibility and good mechanical properties.

To support the construction of the ultra-low-background detectors, a Copper Electroforming Service (CES) is in operation at the Laboratorio Subterráneo de Canfranc (LSC). This work highlights the last electroformed copper pieces prepared and results, including plans to upgrade the setup.

**Primary author:** BORJABAD SÁNCHEZ, Silvia (Canfranc Underground Laboratory)

**Presenter:** BORJABAD SÁNCHEZ, Silvia (Canfranc Underground Laboratory)

**Session Classification:** Production of Radiopure Materials