

## **Luis Monasterio Guillot**

Luis Monasterio holds an MSc in Energy Resources and a PhD in Materials Science from the University of Granada, focused on the application of accelerator-based techniques for microstructural characterization. He has worked at several large-scale research facilities, including ALBA (Barcelona, Spain), ILL and ESRF (Grenoble, France), and SOLEIL (Paris, France), performing high-resolution characterization using techniques such as Small-Angle Neutron Scattering (SANS), Small-Angle X-ray Scattering (SAXS), and Pair Distribution Function (PDF) analysis.

He also has extensive experience in microstructural characterization using electron microscopy and X-ray-based techniques, including TEM, FIB-SEM, SEM, XPS, and nano-tomography.

He joined the IFMIF-DONES Joint Team in February 2025 as part of the Experimental Physics Section, where he is responsible for the development and definition of the experimental programme, covering both fusion and non-fusion applications (e.g., nuclear medicine, fundamental physics, and industrial research), as well as materials characterization of irradiated and non-irradiated samples and accelerator-based materials research.