



ReMade@ARI workshop
20, 21 & 22 November 2024
ESRF, Grenoble

List of Posters

P1	F. Bernasconi (F Beiglboeck)	Operando synchrotron X-ray scattering study of (bi)carbonate precipitation in gas diffusion electrodes for CO ₂ reduction using neutral and acidic electrolytes
P2	A. Bugaev	Operando quantification of metal-metal distances without synchrotron light: New machine learning approach for analysis of the vibrational spectra
P3	J. Couturier	ID21 beamline (ESRF): tender X-ray nano-spectroscopy
P4	N. Doddi	Mechanistic Insights into Carbonophosphates Water Oxidation Catalysis: An In-Situ X-ray Absorption Spectroscopy Investigation
P5	Y. Faria Guimaraes Silva	Advanced characterisation of a new generation of solid state single ion electrolytes based on hybrid ionomers
P6	S. F. Gatti	XRS for batteries – a possibility for operando acquisition of low-energy absorption edges?
P7	E. Hirschmann	Positron Annihilation Spectroscopy: Unlocking Atomic Insights for Next-Gen Energy Materials
P8	S. Liu	Direct regeneration of spent nickel-rich materials for lithium-ion batteries
P9	S. Luther	Materials characterization in highest magnetic fields
P10	H. D. Martínez Hernández	Amino Acid Functionalized MOF-808 for CO ₂ Capture: Unravelling the Host-Guest Interaction via INS Spectroscopy and DFT Calculations
P11	M. Mirolo	ID31 - High Energy beamline for Buried Interface Structure and Material Processing
P12	A. Williams	Small-angle neutron scattering – Determining nanostructure
P13	J. Wright	The Materials Science Beam line ID11
P14	Q. Xie	Characterization of heteroaggregates in LFP cathode black mass for direct recycling
P15	Y. Yang	Investigation of Catalyst Layers Using Contrast-Variation Small-Angle Neutron Scattering to Elucidate Carbon Morphology and Ionomer Hydration Dynamics for Enhanced Transport Efficiency
P16	C. Yildirim	What's Happening at Dendrite Tips? 3D Insights into Battery Fractures
P17	Z. Zhang	Recent X-ray Imaging Beamlines' Contribution for ReMade@ARI Project