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The Chemistry and Material Science section at ALBA

Thursday, 8 September 2022 15:00 (25 minutes)

The Chemistry and Material (CHEMAT) section is administratively one of the three scientific sections of CELLS-ALBA Experiment Division. It presently encompasses 4.5 operating beamlines (BL04-MSPD, BL11-NCD-SWEET, BL16-NOTOS, BL22-CLAESS and BL24-CIRCE-NAPP) and two laboratories: (Chemistry and High Pressure). Already foreseen is the integration in the section of the new beamline 3sbar (operative in 2026), and two new laboratories: battery lab BATTlab (operative 2023) and catalysis lab CATlab (foreseen 2024).

The idea of this administrative structure is to promote and bring synergy in scientific field aspects against purely technical ones, targeting essentially the ALBA strategic scientific lines which are Catalysis and Energy related materials, but maintaining high level scientific activity in High Pressure, Polymer, Strongly Correlated Electron systems and Functional materials, topics which remains highly demanded by the Spanish user community. A multi techniques approach will be developed, intensively involving the above mentioned beamlines, some others depending on fields, eg BL01-MIRAS and BL09-MISTRAL for battery, BL01-MIRAS and BL31-FAXTOR for catalysis, as well as the upcoming InCAEM environmental TEM. Methodology, data processing, extensive laboratory support and possibility of remote and fast access mode is considered as part of the overall CHEMAT vision.

Would you like to participate in the Poster Prize competition?

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