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ALBA Synchrotron impact in society through science and innovation

Tuesday, 19 November 2024 16:00 (30 minutes)

Over the past decade, the ALBA Synchrotron has become an important pillar of the Spanish and European Research Area, providing research capabilities and a wide range of state-of-the-art instrumentation to a community of more than 8500 academic and industrial users. With its eleven operational experimental beamlines, while three more are being put into operation, and with the creation, in collaboration with other institutions, of an electron microscopy centre, it is an essential tool to address society's most urgent challenges.
ALBA is preparing the leap towards the 4th generation, aiming at increasing its performance, reinforcing its role on the user community and on the industrial use of the instrumentation, as well as its educational vocation and training capacity. ALBA II, which is planned to be fully operative in the 2032, will combine the upgrade to low-emittance storage ring with the construction of three new beamlines, the refurbishment of part of its instrumentation, and the evolution of the data infrastructure.
The impact on the society through the science and innovation that ALBA is enabling will be highlighted during the talk.

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