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## **【331】 High-Field Magnet Development for Accelerators in CHART MagDev**

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The MagDev project in the CHART framework develops magnet technology in support of the European Strategy for Particle Physics, in particular the international High-Field Magnet (HFM) program. The research spans fast-turnaround technology development, the research of numerical tools, innovative magnet design, manufacturing-process development, and the construction and testing of technology demonstrators for both, low-temperature and high-temperature superconducting accelerator magnets. The program shall bring innovative solutions to long-standing problems in HFMs for accelerators. In this presentation we discuss the main technological challenges, how they relate to different design approaches, our progress in experimental work, and the feedback that it has on the magnet design and overall R&D roadmap of CHART MagDev.

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