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Roadmap for a 400 MHz cryomodule demonstrator (400 MHz DEMO) at CERN

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As part of a recently approved Accelerator R&D programme at CERN, we aim at building a new cryomodule demonstrator at 400 MHz: DEMO.

DEMO will be a full scale FCCee cryomodule housing four two-cell cavities of a novel design and operating at the RF parameters for the Reverse Phase Operation (RPO), the new RF baseline for FCCee to accelerate ee- beams at currents and energies spanning from the Z point to the ttbar. In this presentation we illustrate the roadmap of this new project, covering organizational aspects and highlighting technical challenges and learning objectives.

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