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RICOCHET experiment: status and prospects

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The RICOCHET experiment aims to observe coherent elastic neutrino-nucleus scattering (CEvNS) with electron antineutrinos at the Institute Laue-Langevin (ILL) research nuclear reactor based in Grenoble, France. The setup is based on two arrays of cryogenic detectors operated at 10 mK: the CryoCube and the Q-Array. The CryoCube consists of 42-g germanium bolometers and achieves particle identification with ionization and phonon readout, and the Q-Array is based on phonon readout of superconducting zinc. The commissioning phase began with the installation of three CryoCube detectors in February 2024. This talk will present results from the first commissioning runs, focusing on detector resolution as well as background levels and rejection performance, and outline the progress expected for the science run that will start later this year.

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