P4.049 Status of the AMoRE experiment

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The goal of the Advanced Mo-based Rare process Experiment (AMoRE) is to search for neutrinoless double beta decay of $^{100}$Mo using low-temperature detectors consisting of Mo-based scintillating crystals read out via metallic magnetic calorimeters. Simultaneous measurements of heat and light signals are performed at mK temperatures, which are reached using a dilution refrigerator. A pilot experiment, named AMoRE-Pilot, using five $^{100}$Mo-enriched, $^{48}$Ca-depleted $^{40}$Ca$^{100}$MoO$_4$ crystals with a total mass of about 1.5 kg, has been running in the 700-m-deep Yang-Yang underground Laboratory. The current setup and status of the AMoRE experiment will be presented.