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The COHERENT experiment

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The COHERENT collaboration aims to test the Standard model with the help of coherent elastic neutrino-nucleus scattering (CEvNS). The experimental effort involving multiple detectors takes place at the Spallation Neutron Source in Oak Ridge National Laboratory. In this talk we describe the results, status, and prospects of the COHERENT program. In particular, recently evaluated limits on the non-standard neutrino-quark couplings and parameters of accelerator produced dark matter are presented.

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