

The Mitchell Conference on Collider, Dark Matter, and Neutrino Physics 2022

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COHERENT: an Update

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The COHERENT experiment consists of a suite of neutrino detectors located in a basement hallway at the Spallation Neutron Source in Oak Ridge National Laboratory. In 2017 (and again in 2021) COHERENT reported the first (and second) observation of CEvNS. I will present the status of these measurements. COHERENT is in the process of deploying four new neutrino detectors to “neutrino alley”, including Ge, NaI, Th and D₂O targets. I will also present the status and near-term plans for these measurements.

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