

First results and Current status of COHERENT experiment with LAr

Thursday, 19 November 2020 16:30 (15 minutes)

Coherent elastic neutrino-nucleus scattering (CEvNS) is a fundamental process proposed more than 40 years ago but first observed in 2017 by the COHERENT collaboration. COHERENT deployed a suite of detectors at the SNS (ORNL, USA) to observe and study CEvNS on various nuclear targets. Argon nowadays is the lightest nuclear target which used for CEvNS research. CENNS-10 is a liquid argon scintillation detector located at 27 m from the SNS target. In this talk current status and first results of CENNS-10 science run will be presented.

Primary author: KUMPAN, Alexander

Presenter: KUMPAN, Alexander

Session Classification: Физика элементарных частиц

Track Classification: Физика элементарных частиц