



Contribution ID: 59

Type: **Contributed Parallel Talk**

# CONUS experiment: new results and the upgrade campaign to CONUS+

*Wednesday, October 25, 2023 3:30 PM (20 minutes)*

The CONUS experiment (COherent elastic NeUtrino nucleus Scattering) aims at coherent elastic neutrino-nucleus scattering (CEvNS) with germanium detectors in the Brokdorf Nuclear Power Plant (KBR, Germany). Four 1kg modules were placed 17m from the 3.9GW reactor core, monitoring an energy regime down to sub-keV with a background rate of  $\sim 10$  per day per keV. Data taking was finished and latest results will be shown. The upgrade, CONUS+, is installed in the Leibstadt Nuclear Power Plant (KKL) in Switzerland. The status of the installation and its potential will also be shown.

**Presenter:** BUCK, Christian (Max-Planck-Institut fuer Kernphysik Heidelberg)

**Session Classification:** Neutrino Properties

**Track Classification:** Neutrino Properties