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## Searching for CEvNs at a nuclear reactor with skipper-CCDs

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Newly-developed Skipper-CCDs are a promising technology to detect neutrinos scattering with Silicon nuclei by exploiting the CEvNS channel. Their ultra-low read-out noise allows for an unprecedented sensitivity to interactions with energy transfers in the eV region. We report results from the first Skipper-CCD sensor installed inside the containment building of the Atucha-II nuclear power plant, a 2 GWth commercial nuclear reactor in Argentina; the detector is deployed 12 m from the reactor core. In this work, we discuss the commissioning of the sensor, assess its current performance, and discuss its sensitivity for rare event detection.

### Submitted on behalf of a Collaboration?

No

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