

Status of NEON

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Since the observation of CEvNS by the COHERENT collaboration in 2017, interest in CEvNS has increased and there have been many global efforts to observe reactor neutrinos through CEvNS. NEON, neutrino elastic scattering observation with NaI(Tl), was also launched in 2019 to observe CEvNS of reactor neutrinos. Following the successful development of a high-light-yield NaI(Tl) detector, data acquisition has begun in 2022 with the detector installed at the tendon gallery of the Hanbit Nuclear Power Plant Unit 5 in Yeonggwang, South Korea. This talk will cover the overall status of the NEON experiment, including the detector configuration and operation, as well as the detector's performance and recent analysis results.

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