

NuFact 2026 - The 27th International Workshop on Neutrinos from Accelerators



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New Results from Super-Kamiokande

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Super-Kamiokande is a large water Cherenkov detector located in Mount Ikenoyama, Japan, which recently celebrated its 30th anniversary of operation. We present several new results, including new atmospheric, supernova, and solar analyses. The new atmospheric oscillation analysis includes the period SK VI, the first period where gadolinium was introduced into the water for enhanced neutron capture efficiency. Neutron information is used both for separation of neutrinos and antineutrinos, as well as for a correction to estimates of direction and energy. In addition, a new search for diffuse supernova neutrino background (DSNB) will be presented, also including gadolinium loaded periods.

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