

## Second International Conference on the Physics of the Two Infinities



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### Newest results from Super-Kamiokande

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The Super-Kamiokande (SK) experiment is a world-leading, 50-kton water Cherenkov detector in Japan. Since the last iteration of the P2I Conference in 2023, several important results have been made public by SK, and we explore highlights here. These include the newest analysis of solar neutrinos, the hunt for the Diffuse Supernova Neutrino Background, and latest atmospheric neutrino oscillation results. We will also underline the important impact of introducing gadolinium sulfate into the water at 0.01% and 0.03% Gd-loading by mass in 2020 and 2022, respectively.

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