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Solar Antineutrinos Searches and Decaying Sterile Neutrinos

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Solar neutrino experiments have had great success in furthering our understanding of the neutrino sector and the Sun. Experiments like BOREXINO, KamLAND, and SuperKamiokande are also sensitive to antineutrino fluxes at the level of sub per-mille of the B8 neutrino flux. We explore this in our work to derive constraints on a model of decaying sterile neutrinos, recently proposed as a solution to the LSND, MiniBooNE anomalies.

Collaboration name

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