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MiniBooNE, LSND, and sterile neutrinos

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I review the interpretation of the LSND signal in terms of sterile neutrino oscillations in the light of MiniBooNE results, considering 1, 2, or 3 sterile neutrinos with eV scale masses. Since no satisfactory fit to the global data is obtained in these cases, I speculate on a non-standard energy dependence of sterile neutrino oscillations, which can significantly improve the fit.

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