SoLAr

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SoLAr is a new concept for a liquid argon neutrino detector technology which aims to extend the sensitivities of these devices to the MeV energy range, extending the physics reach of these next-generation detectors to include solar neutrinos. The SoLAr technology will be based on the concept of monolithic light-charge pixel-based readout which addresses the main requirements for such a detector: a low energy threshold with excellent energy resolution and background rejection through pulse-shape discrimination. The SoLAr concept is timely as a possible technology choice for the DUNE "Module of Opportunity"which could serve as a next-generation multi-purpose observatory for neutrinos from the MeV to the GeV range. Presented here are the first studies, status and plans for SoLAr.

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