

Abstract Submitted
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Searching for Dark Matter with the NO ν A Neutrino Telescope¹

LITING XIAO, Univ of Virginia, NOVA COLLABORATION — NO ν A is a particle physics experiment designed to study the properties of neutrino oscillations using a beam of neutrinos from Fermilab. Because of the NO ν A detector's unique features, it may be useful for other physics searches beyond its primary purpose. We investigate using the NO ν A detector as a neutrino telescope to search for dark matter annihilations at the core of Sun.

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