

Abstract Submitted
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Ion Source Tests for the IsoDAR Neutrino Experiment RUBEN GUTIERREZ MARTINEZ, University of California, Los Angeles, ISODAR COLLABORATION — The Isotope Decay At Rest (IsoDAR) experiment uses a cyclotron to produce an intense electron antineutrino flux from the decay of ^8Li at rest. It will be paired with the 1 kton Kamioka Liquid Scintillator Antineutrino Detector (KamLAND) to search for antineutrino disappearance at short base lines due to sterile neutrino oscillations. It will also be capable of making a measurement of antineutrino electron scattering. The first component of the cyclotron is an ion source that provides 5 mA of H_2^+ at 60 keV. The characterization of this source took place in June 2013 at Best Cyclotron Systems Inc. The first measurements from these tests will be presented.

Ruben Gutierrez Martinez
University of California, Los Angeles

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