A Large Magnetized Liquid (70KT) Argon Detector For Proton Decay, Neutrino Factory And Solar Neutrino For The WIPP Site

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- This detector can search for proton decay to $10^{35}$ years, will have thousands of solar neutrino events and atmospheric neutrino events. A small detector prototype is being considered.
A Long Baseline Neutrino Experiment at the WIPP Site
Liquid Argon TPC Pioneered by ICANOE

ICANOE has no magnetic field.
1. TOP END CAP IRON YOKE
2. BOTTOM END CAP IRON YOKE
3. BARREL IRON RETURN YOKE
4. COIL
5. CRYOSTAT
6. CATHODES (N° 5)
7. WIRE CHAMBERS (N° 4)
8. FIELD SHAPING ELECTRODES

LANNDD
Liquid Argon Neutrino and Nucleon Decay Detector

F. Sergiampietri-August 2000
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Liquid Argon Neutrino and Nucleon Decay Detector
Horizontal Cross-Section