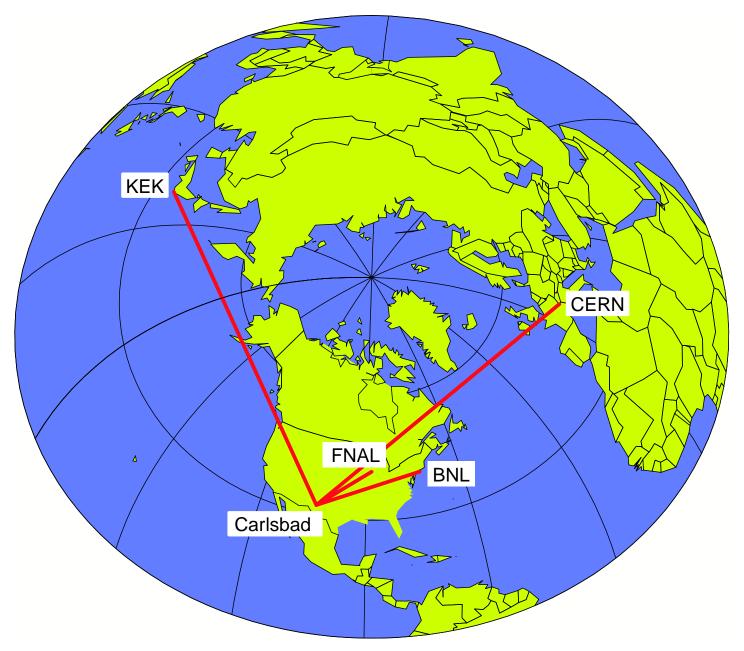
A Large Magnetized Liquid (70KT) Argon Detector For Proton Decay, Neutrino Factory And Solar Neutrino For The WIPP Site

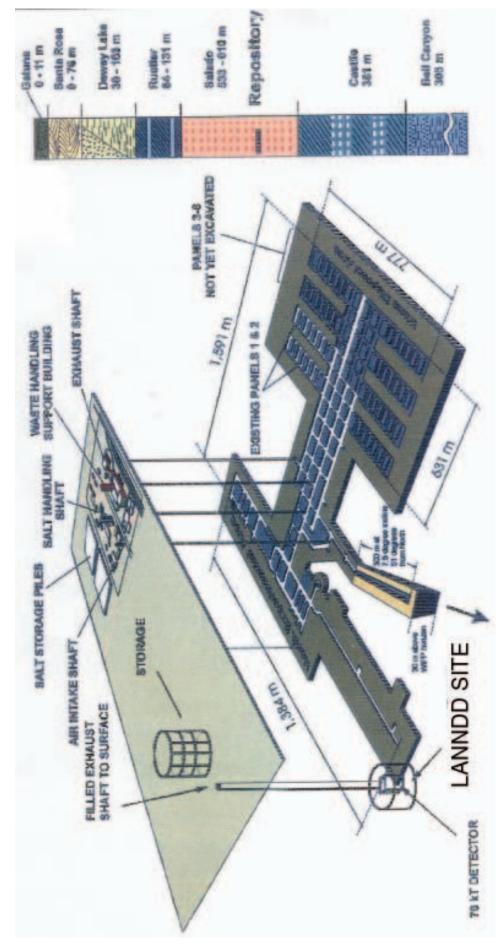
- David B. Cline UCLA
- <sup>n</sup> John Learned Hawaii
- n Kirk McDonald Princeton
- Franco Sergiampietri UCLA / Pisa

This detector can search for proton decay to 10<sup>35</sup> years, will have thousands of solar neutrino events and atmospheric neutrino events. A small detector prototype is being considered.

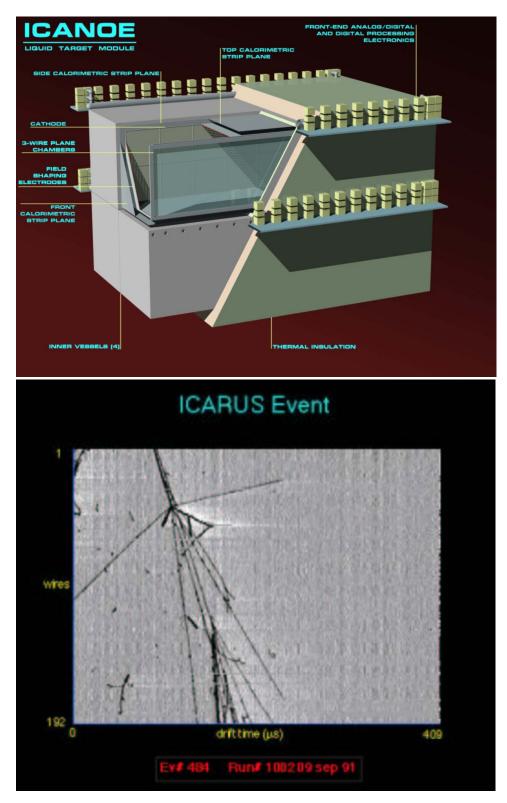
## A Long Baseline Neutrino Experiment at the WIPP





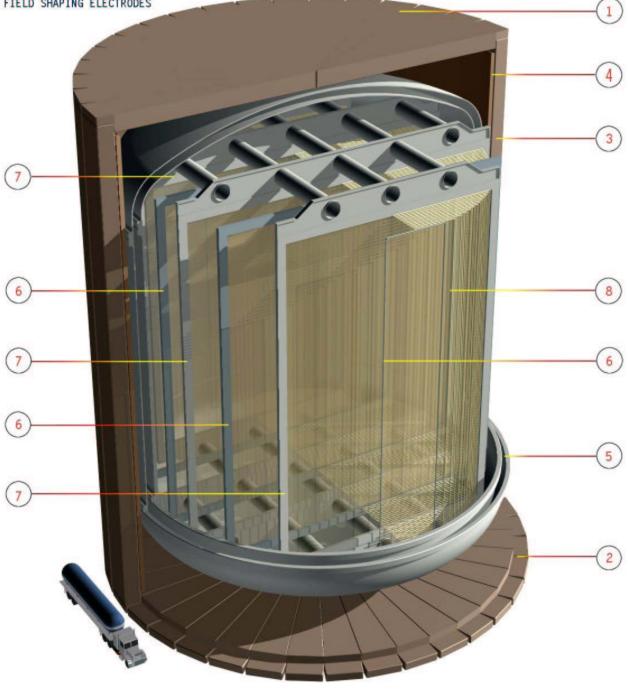


## Liquid Argon TPC Pioneered by ICANOE



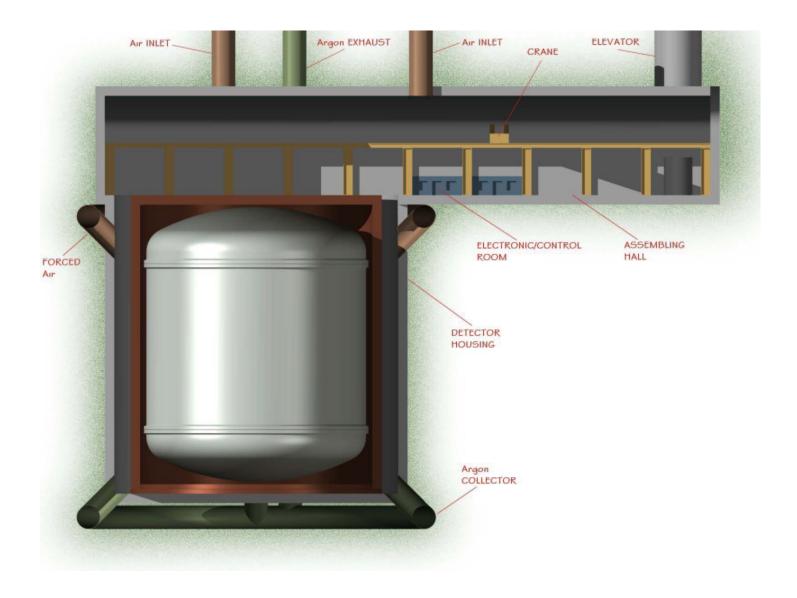
ICANOE has no magnetic field.

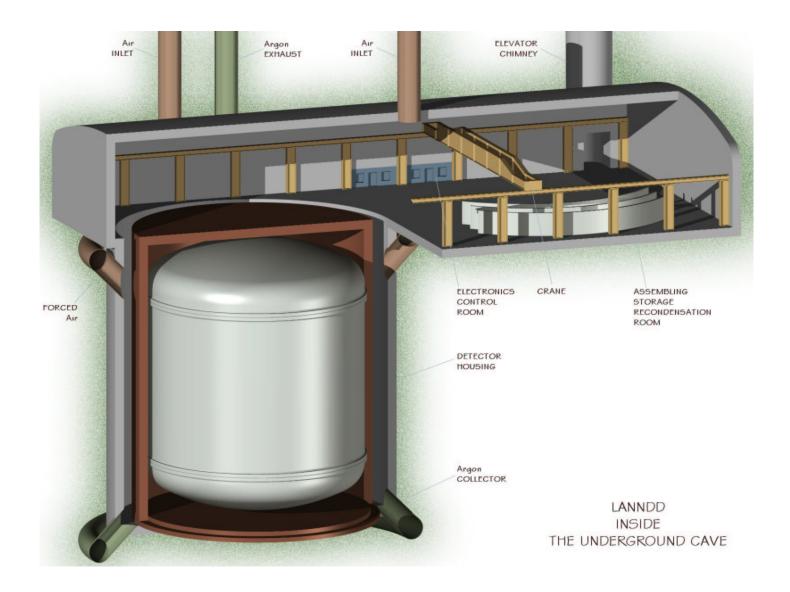
- 1- TOP END CAP IRON YOKE
- 2- BOTTOM END CAP IRON YOKE
- 3- BARREL IRON RETURN YOKE
- 4- COIL
- 5- CRYOSTAT
- 6- CATHODES (N° 5)
- 7- WIRE CHAMBERS (N° 4)
- 8- FIELD SHAPING ELECTRODES

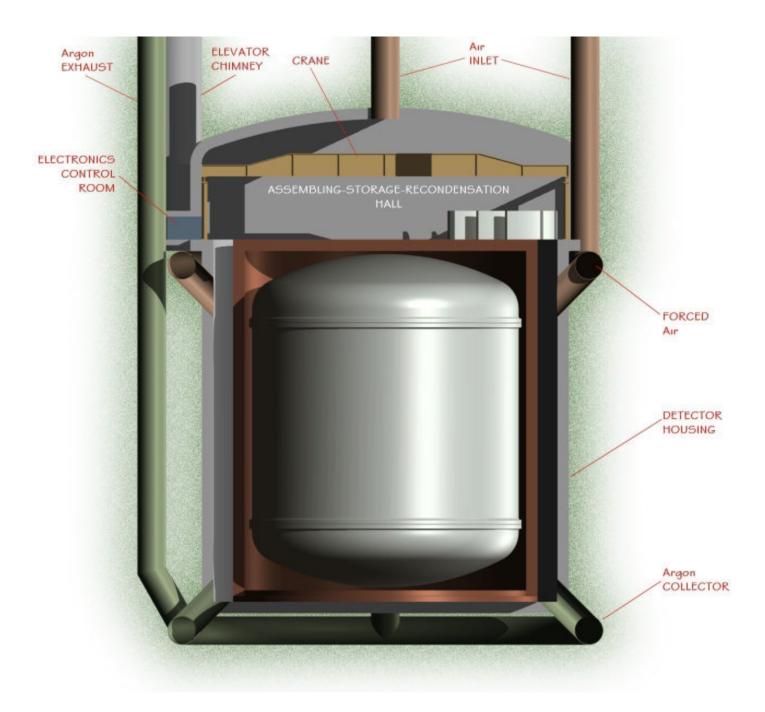


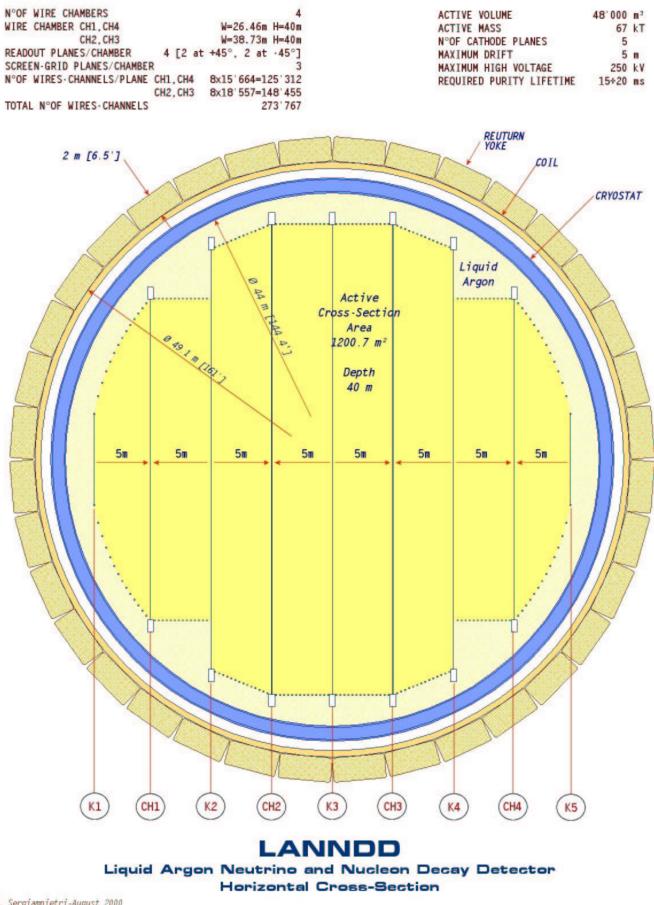
LANNDD Liquid Argon Neutrino and Nucleon Decay Detector

F. Sergiampietri-August 2000









F. Sergiampietri-August 2000