



YEREVAN PHYSICS INSTITUTE

AFTER A. ALIKHANIAN

NEUTRINO DETECTOR in ARMENIA

(Distance from the CERN 3100km)

Ara Ioannisian

Location of the site Salt Mine (NaCl), under the Yerevan

about 373m deep *The facilities of the Yerevan Physics Institute for the neutrinoless double beta decay experiment*

GasProm gas reservoirs in Slat Mine 1200m deep (ca 2800mwe)

Each reservoir is about 50 000 m³

Present day technique allows to make 40 000 m³ / year

The salt send to the Avan Mine Ltd. for production of the food salt

Technically possible to make a cavity up-to 500 000 m³

