



TEXONO-CDEX : ULEGe & PCGe @ KSNL & CJPL

P+
Proprietary
Implementation



Plastic Bag for Radon Purging



Low energy neutrino and DM physics with sub-keV Ge detector: H. T. Wong (Tomorrow after noon)

S1

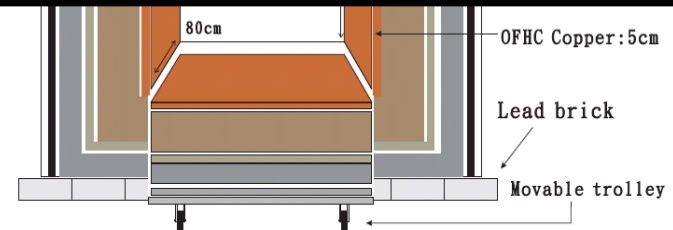


S0

Liquid nitrogen dewar



Update about our efforts on ULEGe & PCGe @ KSNL & CJPL



CDEX-TEXONO @ CJPL

 **2011-12:** Repeat PRD-09 measurement with 20-g ULEGe & 1-kg PCGe

 **2012-15:** 10-kg range PCGe array , with Liquid

**Update about the road map of CDEX-TEXONO
Collaboration @ CJPL**

include Double Beta Decay to Physics program

 **2010+:** characterize background at CJPL ; set up low background material screening facilities

Status and Plans and Prospects

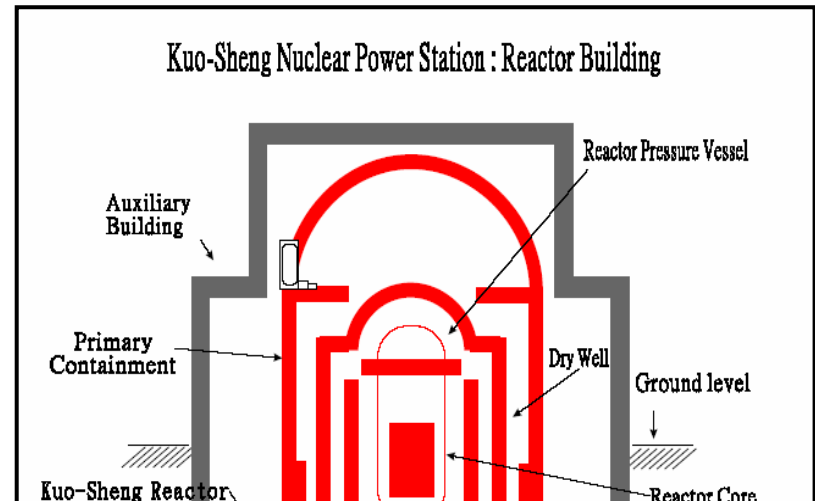
- **CJPL** is the deepest operating underground laboratory in the world. Data taking started in Feb 2011.

Many New things to share with you!

- **Focuses at KONE**: sub-keV **Ge** to support dark matter program **AND** towards ν -N coherent scattering

You are most welcome to visit my poster on **LOW MASS DARK MATTER SEARCHES WITH sub-keV GERMANIUM DETECTORS**

Kuo Sheng Reactor Neutrino Laboratory (KSNL)



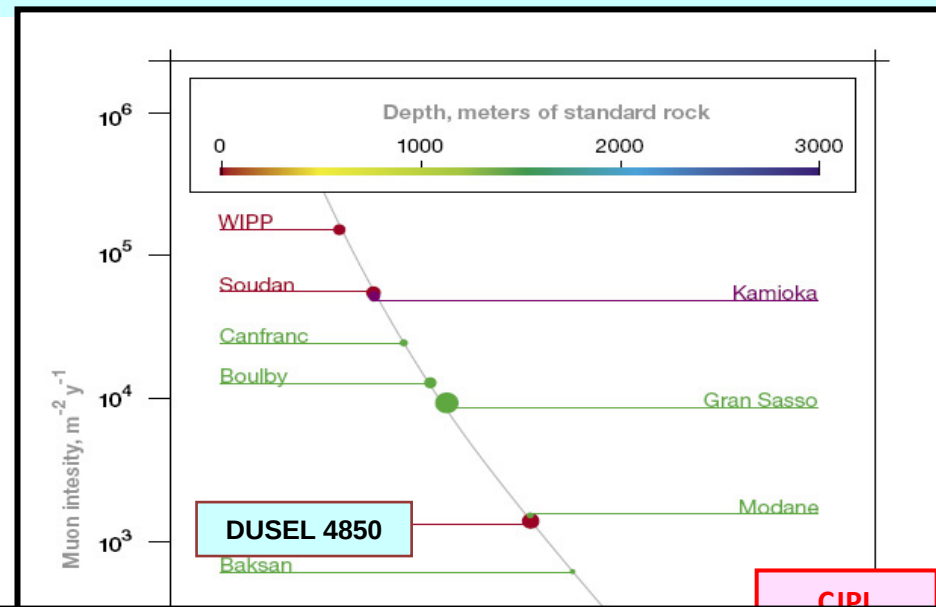
Update about current activities @ KSNL



Powerful collaboration. Scientists from Taiwan and mainland China are studying neutrino emissions from this nuclear power plant outside Taipei.



- ◎ 2400+ m rock overburden, drive-in road tunnel access
- ◎ 6X6X40 m cavern constructed *[managed by THU & EHDC]*
- ◎ **CDEX-TEXONO** Dark Matter Program Started ; Panda-X Experiment under preparation *[Next Talk]*



Progress @ CJPL

