



## Poster session 2 – Tuesday 5 July

### P2.049 **Low energy neutrino physics and dark matter searches with sub-keV germanium detectors**

L Singh and H T-K Wong

Institute of Physics, Academia Sinica, Taiwan

*on behalf of TEXONO collaboration*

Germanium detectors with sub-keV sensitivities offer a unique opportunity to study neutrino interactions and properties as well as to search for light WIMP Dark Matter. The TEXONO and CDEX Collaborations have been pursuing this research program at the Kuo-Sheng Neutrino Laboratory (KSNL) in Taiwan and in the China Jinping Underground Laboratory (CJPL) in China. We will present highlights of the detector characterization and performance as well as the physics program on the studies of exotic neutrino electromagnetic interactions and towards observation of neutrino-nucleus coherent scattering at KSNL.