

## Status of the Y2L HPGe laboratory for low background measurements

*Thursday, 25 May 2017 14:30 (20 minutes)*

The YangYang underground Laboratory (Y2L) has a dedicated facility, managed by CUP, for the low background gamma spectroscopy measurements with High Purity Germanium (HPGe) detectors. Three detectors are currently operating: two 100% relative efficiency p-type and one well-type HPGe detector. The radioactive background of all these instruments have been improved with dedicated shieldings and they are used to perform low background measurements for the material selection of rare physics events experiments such as AMoRE and COSINE. The status of the Y2L HPGe low background measurement laboratory will be presented.

**Primary author:** Dr SALA, Elena (CUP - Institute for Basic Science)

**Co-author:** Ms KIM, Gowoon (Center for Underground Physic, IBS / Ewha Womans University)

**Presenter:** Dr SALA, Elena (CUP - Institute for Basic Science)

**Session Classification:** Poster Session