

Symposium Summary

The symposium consisted of three days of talks and an excursion to the CJPL underground facility. The talks focused on possible future applications of High Purity Germanium Detectors, HPGDs, in various fundamental-research experiments.

The physics scope was very wide, reaching from investigations of deformed nuclei to neutrinoless double beta decay and general neutrino properties to dark matter. In all cases a detailed knowledge of the properties of the HPGDs is essential.

It is not clear that HPGDs are the best long term technology to reach all physics goals. Therefore the symposium also had talks on alternative technologies, especially Xenon-based detection techniques.

The symposium had many very interesting talks, but special emphasis was also placed on discussions on possible technological development and possible cooperations between China and Germany. These discussions were lively and very fruitful.

The excursion to the CJPL underground facility gave a good impression of the impressively fast progress made with this facility. While it is limited in size, its deep location makes it very attractive for relatively small experiments, prototype studies and a screening facility.

The discussions on cooperation continued during the trip and representatives of the

Tsinghua University, Yue,Qian,
Shanghai University, Liu,Xiang,
MPI Muenchen, Iris Abt & Bela Majorovits,
Univeritaet Tuebingen, Peter Grabmayr,

agreed to start a cooperation within the framework of the Sino-German center.

The first steps should be student exchange and coopertaion on detector testing and material screening.