

JUSTIPEN Trip Report
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At the Hokkaido Workshop I presented a numerical model for studying statistical properties of Kawai-Kerman-McVoy T-matrix, performed under UNEDF SciDAC. Besides providing a platform for statistical studies, this model could provide a way for computing statistical nuclear cross sections.

Optical model potentials were discussed with Prof. Hiroyuki Sakuragi (Osaka City University) who gave a talk on effects of three-body force in optical potentials. Optical potentials are also studied within the UNEDF SciDAC, and there is a potential for collaboration.

Possibilities for computing direct and resonant nuclear reaction cross-sections in the Gamow Shell Model were discussed with Dr. Marek Ploszajczak (GANIL).

I would like to thank the Workshop organizers and to JUSTIPEN for a well organized Workshop and for a relevant selection of topics and presentations.