

Status Report of the KAERI/NDEL

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1. General

KAERI/NDEL has successfully finished a 4 year national nuclear R&D project, Establishment of Nuclear Data System, and started a new 4 year project, Evaluation of Nuclear Data for Nuclear R&D Projects.

2. Data Services

KAERI/NDEL is providing nuclear data on-line service targeting non-nuclear data experts. The statistics are as follows:

Item	1997	1998	1999	2000
Hits/year	-	316,096	468,458	908,138
Data retrieved/month	1,592	5,460	7,644	20,138
IP/month	335	581	984	3,689

3. Experimental Facility

Three new facilities have been added for nuclear data measurement capability of Korea.

- E-Linac based TOF; 10.8 m, 60 MeV, 80 mA, 1.5 us, 12 Hz
- Tandem VDG based n-source; 1.7 MV, 300 uA,
- Cyclotron based Vacuum chamber; 50 MeV, (p,p'), etc

4. Future Evaluation Works

Main directions of nuclear data development on next 4 years are the Fission Products data for Transmutation, the data for Thorium cycle, the Photon-production data for in-core detector, and the Intermediate energy data for ADS.

5. Staff and Computers

KAERI/NDEL has 8 regular staffs, 2 post-doctor positions and 1 full time consultant scientist;

- Evaluation: 6,
- Multi-group library generation and benchmark: 3,
- Data services: 1.

Computers;

- A Cluster of Linux PCs for evaluation,
- 4 HP desk side Workstations for the multi-group library ,
- 1 Linux PC for internet web server, 1 Linux PC for backup.