

Progress Report
NRDC-2025 Technical Meeting
(17-20 June, 2025, Madrid)

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1. Organization and Staff

- The main organization of HUN-REN Institutes were planned to change again from April, but it was postponed till September.
- In general the staff number is decreasing in every group.
- Regarding the EXFOR work; a new person joined to continue the compilation.

2. EXFOR compilation

- During the covered period all articles but one for our responsibility were compiled and sent to IAEA NDS.
- Entries with data points below threshold energy were revised.
- Entries containing zero data values were resubmitted after correction.

3. Nuclear data related activities in ATOMKI:

Experiments

The research groups continue to perform new experiments at atomki cyclotron and tandetron laboratories, as well as at facilities of collaborating international laboratories. (Nishina Center for Accelerator-Based Science, RIKEN, Istituto Nazionale di Fisica Nucleare—Laboratori Nazionali del Gran Sasso (LNGS), Department of Physics and Astronomy, University of Notre Dame, Notre Dame). Results of the performed experiments were reported in journals and presented at conferences.

Compilation

- Compilations of all newly published experimental data were introduced in EXFOR.
(continuous work)
- Compilation of nuclear decay data (continuous work)
- Evaluation of cross section data for medical radioisotope production.
- Evaluation of cross section data for charged particle beam monitoring.
- Radioactive tracing of industrial processes by using Thin Layer Activation (TLA) and Positron Emission Tomography (continuous work).