

Ukrainian Nuclear Data Centre

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Introduction

UkrNDC is subdivision within the Neutron Physics Laboratory at the Institute for Nuclear Research of the National Academy of Sciences of Ukraine

UKRNDC has:

- **2 permanent researchers**
- **They are also involved in the experimental neutron data measurements at the Kyiv research reactor**

Compilation

Continue collection and compilation of experimental data

New/renew entries sent to NDS:

- **for charged particle data: 2 entries**
- **for photonuclear data: 8 entries**

Compilation (continue)

Review of compilation scope in home journals and scientific issues:

- **Nuclear Physics and Atomic Energy**
- **Ukrainian Journal of Physics**
- **Problems of Atomic Science and Technology,
Series: Nuclear Physics Investigations**
- **East European Journal of Physics**

Collaboration

Continue collaboration with the PD of the Taras Shevchenko National University of Kyiv:

- *The teaching course "Nuclear Data for Science and Technology and Modern Computer Codes for Nuclear Data Processing" (42 hours) was lectured in 2023-2024 for the fifth-course students*

Collaboration (continue)

We continue our activity within the framework of educational and scientific program of the INR of the **NAS of Ukraine** on the preparation of a doctor of philosophy in specialty 01.04.16 (physics of the nucleus, elementary particles and high energies):

- The teaching course "*Modern codes and nuclear data*" (26 hours) was lectured in September-October 2023 for post-graduate students in the 2nd year of study.
- The teaching course "*Experimental Methods at Atomic Power Engineering*" (26 hours) was lectured in January-February 2024 for post-graduated students in the 1st year of study.

Customer Services

The UkrNDC site is operating. Ukrainian customers, especially students and those physicists, who wish to prepare the point-wise and multi-group cross sections self-dependently, but do not have a good experience in it, use this site very often. Address of the UkrNDC site: <http://ukrndc.kinr.kiev.ua>

Experimental & Computational Activity

Calculations for improvement of the interference neutron filters with the average energies 2 keV – 150 keV are fulfilled.

Through Russian war, the Kyiv research reactor does not operate, so experimental investigation did not fulfilled.

Acknowledgement

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Thank You

for Your attention!

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