

# **Ukrainian Nuclear Data Centre**

**Progress Report, 2024/25**

**NRDC Technical Meeting**

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# Introduction

**Ukrainian Nuclear Data Centre (UkrNDC)**  
is a subdivision within the Neutron Physics  
Laboratory at the Institute for Nuclear Research  
of the National Academy of Sciences of Ukraine

# Compilation

**Continue collection and compilation of experimental data**

**New/renew entries sent to NDS:**

- **for neutron data: 4 entries (32238, 32252÷32254)**
- **for charged particle data: 8 entries (D5189, D5204÷ D5210)**
- **for photonuclear data: 7 entries (G4109÷G4115)**

# **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 and Modern Computer Codes for Nuclear Data Processing" (42 hours) was lectured in 2024-2025 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 "*Experimental Methods at Atomic Power Engineering*" (26 hours) was lectured in September-October 2024 for post-graduated students in the 1<sup>nd</sup> year of study.
- The teaching course "*Modern codes and nuclear data*" (26 hours) was lectured in January-February 2025 for post-graduate students in the 2<sup>nd</sup> 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.kyiv.ua>**

# **Experimental & Computational Activity**

**Calculation for improvement of the interference neutron filter with the average energy 134 keV was fulfilled.**

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

# Acknowledgement

**We are very thankful to Naohiko Otsuka and all colleagues for comments in preparation of the final versions of the UkrNDC entries**

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*Thank You*

*for Your attention!*

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