



Academy of Sciences of the Republic of Uzbekistan  
Institute of Nuclear Physics of Academy of Sciences of the Republic of Uzbekistan  
Joint Institute of Nuclear Research  
Frank Laboratory of Neutron Physics

## THE FIRST CIRCULAR

## THE THIRD INTERNATIONAL WORKSHOP

# «THE USE OF NUCLEAR PHYSICS METHODS FOR CULTURAL HERITAGE RESEARCH»

Tashkent, Uzbekistan

12-14 September 2023

*Dedicated to the 80th anniversary of Uzbekistan Academy of Sciences*

**ORGANIZERS:** Academy of Sciences of the Republic of Uzbekistan  
Institute of Nuclear Physics of Uzbekistan Academy of Sciences  
Joint Institute of Nuclear Research  
Frank Laboratory of Neutron Physics

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## WORKSHOP TOPICS

1. Priority in the field of research of cultural heritage objects using nuclear-physical methods;
2. Possibilities and opportunities for the development of nuclear physics methods for the study of cultural heritage objects;
3. Coordination and integration of activities of research groups in the field of humanities and natural sciences.



It is expected to discuss the results achieved and the further prospects for using the following methods:

- Radiography and tomography on neutron and synchrotron beams;
- Neutron and X-ray diffraction;
- Neutron activation analysis;
- X-ray fluorescence analysis;
- Mössbauer effect;
- Other methods (resonances in nuclear reactions, PIGE, PIXE, RBS, NMR, neutron depth profiling, etc.).

**Working languages:** English and Russian

**Workshop format:** Off-line

### REGULATIONS OF THE WORKSHOP

Oral presentations up to 30 minutes.

### DATES AND PLACE OF THE WORKSHOP

The workshop will be held on the basis of the Institute of Nuclear Physics of the Academy of Sciences of the Republic of Uzbekistan (Tashkent, Ulugbek village) - September 12-14, 2023. Invitations to the workshop participants will be sent out by August 25, 2023.

### MEETING OF PARTICIPANTS AT THE AIRPORT

Employees will be on duty at the airport in Tashkent to meet and escort conference participants to the hotel. Please inform the organizing committee of the flight, date and time of arrival.

### CONFERENCE SCHEDULE

<i>September 12, Tuesday</i>	<i>8:00 - 9:00</i>	<i>Registration. Institute of Nuclear Physics, the entrance hall of the main building.</i>
	<i>9:00 - 9:30</i>	<i>Opening of the conference</i>
	<i>9:30 - 13:00</i>	<i>Oral presentations</i>
	<i>13:00 - 14:30</i>	<i>Lunch</i>
	<i>14:30 - 18:00</i>	<i>Oral presentations</i>
	<i>19:00 - 21:00</i>	<i>Dinner</i>
<i>September 13, Wednesday</i>	<i>9:00 - 13:00</i>	<i>Oral presentations</i>
	<i>13:00 - 14:30</i>	<i>Lunch</i>
	<i>14:30 - 18:00</i>	<i>Oral presentations</i>
	<i>18:00</i>	<i>Closing of workshop</i>
	<i>19:00</i>	<i>Dinner</i>
<i>September 14, Thursday</i>	<i>6:30</i>	<i>Trip to Samarkand</i>

### CONTACT INFORMATION

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**WELCOME TO TASHKENT!**