**[Logunov](http://www.ihep.ru/)**[**Institute for High Energy Physics**](http://www.ihep.ru/)

 (Protvino, Moscow region, Russia)

of the[**National Research Centre "Kurchatov Institute"**](http://www.nrcki.ru/e/engl.html)

is organizing

**the XXXVII International Workshop on High Energy Physics**

“**Diffraction of hadrons: Experiment, Theory, Phenomenology**”

July 22 – July 24, 2025.

The purpose of this Workshop is to highlight and review the most pressing problems in the field of hadronic diffraction *(elastic scattering, central diffractive production, single and double dissociation, diffraction in hadron-hadron, lepton-hadron interactions, diffraction on nuclei, models of diffraction, historical aspects)* as well as relevant experimental data.

To this end the workshop will consist of **invited talks only** and a 1-hour discussion session after each working day with a summary from the discussion leader will be arranged.

**Topics to be discussed (preliminary)**

* **Experimental data on diffraction**
* **Hadron diffraction (elastic scattering, central diffractive production, inclusive processes etc)**
* **Diffraction in lepton-hadron interaction**
* **Diffraction on nuclei**
* **Theoretical models of diffraction**
* **Historical aspects**

**Participation**

***Participation with review talks is by invitation of the Organizing Committee.***  
In the case of a proactive request the decision is made by the Organizing Committee.

The **online** sessions will be possible.

**There is no registration fee.**

**Accomodation**

If you need a room in the hotel, please, **book it in advance** (at least before the end of June) at the HOTEL WEBSITE <https://protva-hotel.su/bronirovanie/>

And also inform organizers, that you would like to participate off-line, and if you have any problems with booking.

**Structure of the workshop**

* Participation will be available both **in person and online**.
* **Speakers by invitation only.**
* Two sessions with 4-5 invited talks of **25 minutes duration and 5 minutes for questions** *(additional time is possible by request)* and debates of a current character after each talk will be arranged every day.
* In the evening one hour will be devoted to moderated open discussion of relevant general problems.
* Poster sessions are envisaged for young participants (graduates and post graduates) as everyday last 40-min sessions.
* **Only registered participants can follow the sessions and take part in the discussions.**
* **The first step is to register in the indico system** [**https://indico.ihep.su/register/**](https://indico.ihep.su/register/)
* **Next, the system will send a link to confirm the email.**
* **After that, you can log in to the indico system with the login you received and register for the conference.**
* Proceedings of the workshop will be published in **Physics of Elementary Particles and Atomic Nuclei** of the Joint Institute for Nuclear Research (JINR, Dubna)
* The session summaries are envisaged to be placed jointly in the arXiv (hep-ph).

**IMPORTANT DATES**

* July 10, 2025 - end of abstract submission
* July15, 2025 - end of registration of speakers
* July 22, 2025 - start of the Workshop



**The Organizing Committee**

V. Petrov Chairman R. Ryutin Co-Chairman

A. Godizov S. Denisov

Y. Kharlov V. Kotliar

A. Samokhin N. Tkachenko

Yu. Zinoviev

**The Program Committee (preliminary)**

A. Likhoded (Protvino, NRC "Kurchatov Institute" - IHEP)

M. Ryskin (St. Petersburg, NRC "Kurchatov Institute" - PNPI)

O. Selyugin (Dubna, JINR)

O. Teryaev (Dubna, JINR)

A. Kataev (Moscow, INR)

V.T. Kim (St. Petersburg, NRC "Kurchatov Institute" - PNPI)

E.G.S. Luna (Rio Grande do Sul U.)

<https://indico.ihep.su/e/hepftXXXVII>

[hepft2025-hposi-questions@ihep.ru](mailto:hepft2025-hposi-questions@ihep.ru)

***Dear Colleagues,***

***We kindly ask you to submit the abstract of your talk (at least in a condensed form) via  [this web-page](https://indico.ihep.su/event/880/abstracts/)  (or via e-mail, in case of problems).This would help us to arrange the program and the corresponding discussions in advance.***

## Wishes to speakers

* As one can see from the program, our Workshop concerns various fields sometimes very different from each other, both conceptually and in technical terminology.
* That is why we would like to avoid excessive diversification and to try to preserve to a certain extent the unity of the high energy physics community.
* In this regard, we would like to ask all speakers, if possible, to kindly avoid, if possible, details that are understandable only to a narrow circle of deeply involved experts  and to make the presentation simpler and clearer (thus more interesting!)  to a wider circle of participants.
* We also believe that it would be of great importance to give, at least in a concise way, the conceptual motivation of your subject.

***We are aware that this task can be rather difficult, so in no way the above wishes are mandatory and  every speaker is, certainly, free to deliver her/his talk according to  her/his own desire and convenience.***

## Wishes to discussion leaders

* It is assumed that each session will end with a general discussion (near one hour).
* The discussion is led by the discussion leader.
* The first part is assumed to be devoted to additional questions which bear a conceptual character, which are collected by technical coordinators and then sent to the discussion leader. It is meant that during the talk time only technical short questions not bearing a conceptual character are admitted. This is regulated by the chairperson.
* In the second part the discussion leader is asked to give a brief summary of the session's reports and a brief description of the most important unresolved problems related to the topic of the session.
* The allocation of time for discussion and summary is  left to the discretion of the discussion leader.