



FLNP USER PROGRAM

DOROTA CHUDOBA

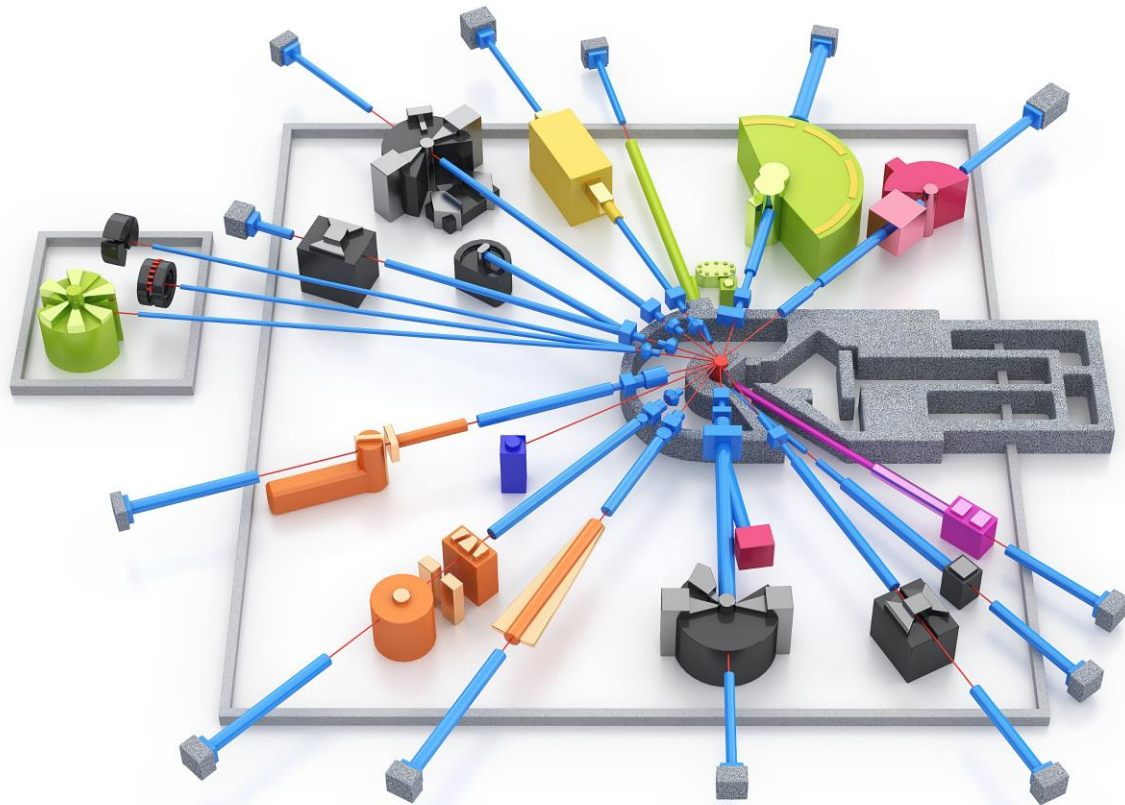
53rd meeting of the PAC for Condensed Matter Physics

25 Jan 2021

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13 INSTRUMENTS



Diffraction:

HRFD
RTD
DN-6
EPSILON
SKAT
DN-12
FSD

Small-angle scattering:

YuMo

Reflectometry:

GRAINS
REMUR
REFLEX

Inelastic scattering:

DIN-2PI
NERA

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Cycle	Date	Working hours for physical experiment [h]	FLNP User Program
1	16.01. ÷ 29.01.	312	With users
2	10.02. ÷ 19.02.	207	With users
3	18.03. ÷ 30.03.	267	Partially without external users Users just from RU
4	13.04. ÷ 24.04.	cancelled	
5	14.05. ÷ 25.05.	cancelled	
6	09.09. ÷ 23.09.	337	Partially without external users Users just from RU
7	01.10. ÷ 12.10.	242	Partially without external users Users just from RU
8	19.10. ÷ 31.10.	289	From 26.10.2020 -Users just from RU
9	09.11. ÷ 20.11.	257	Whitout users
10	07.12 ÷ 21.12.	312	Whitout users
		2223	

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ONE ROUND OF USER PROGRAM IN 2020

Period for proposal submission	September 1 – October 15, 2019	Experiments in first half-year 2020
Period for proposal submission	March 1 - April 15, 2020 Cancelled	Experiments in second half-year 2020

Unrealized proposals from March, April, May → second half-year of 2020.

Possibilities until end of 2020

For Russian Users:

1. Until 26.10.2020 -Visit FLNP JINR & perform experiments
2. To send samples

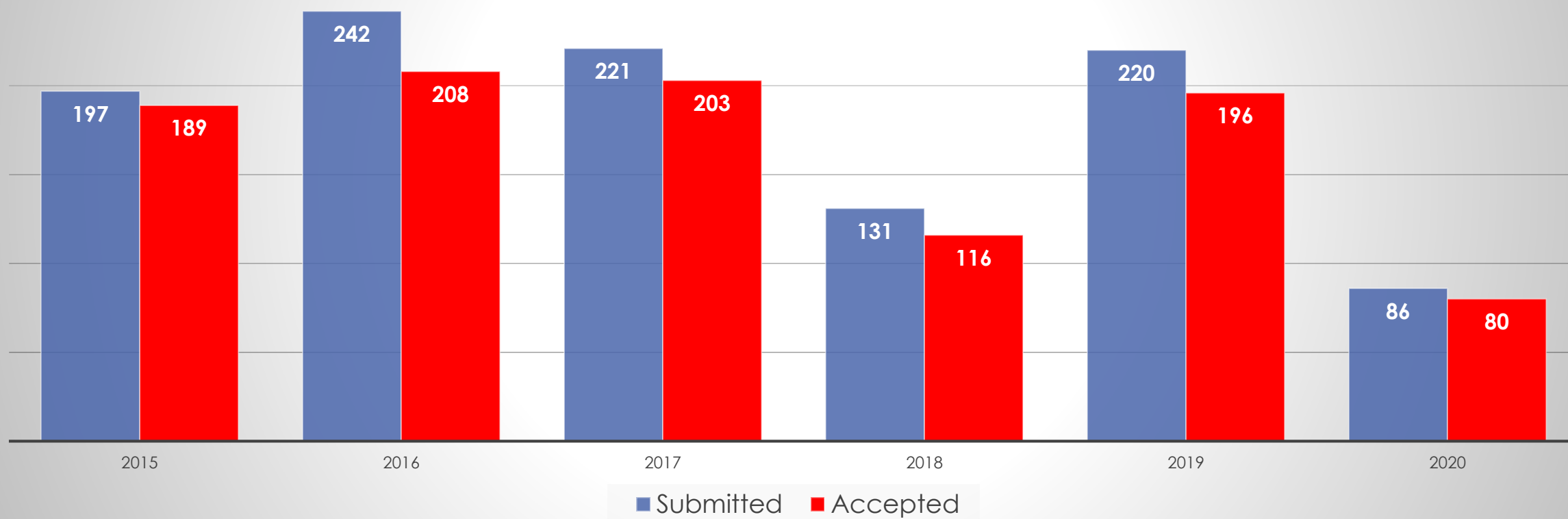
For NOT-Russian Users:

1. To send samples

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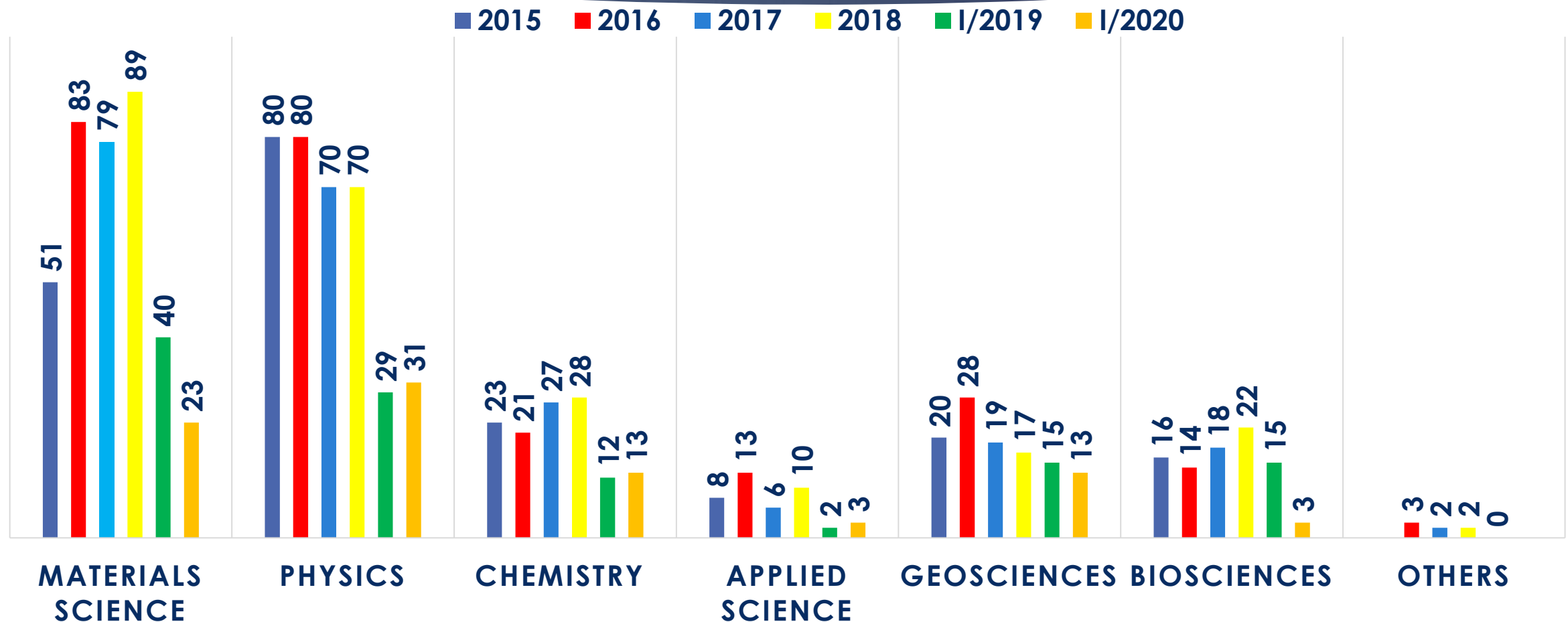
Number of proposals



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PROPOSAL DISTRIBUTION WITH SCIENCE CORRELATION



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Number of Publications



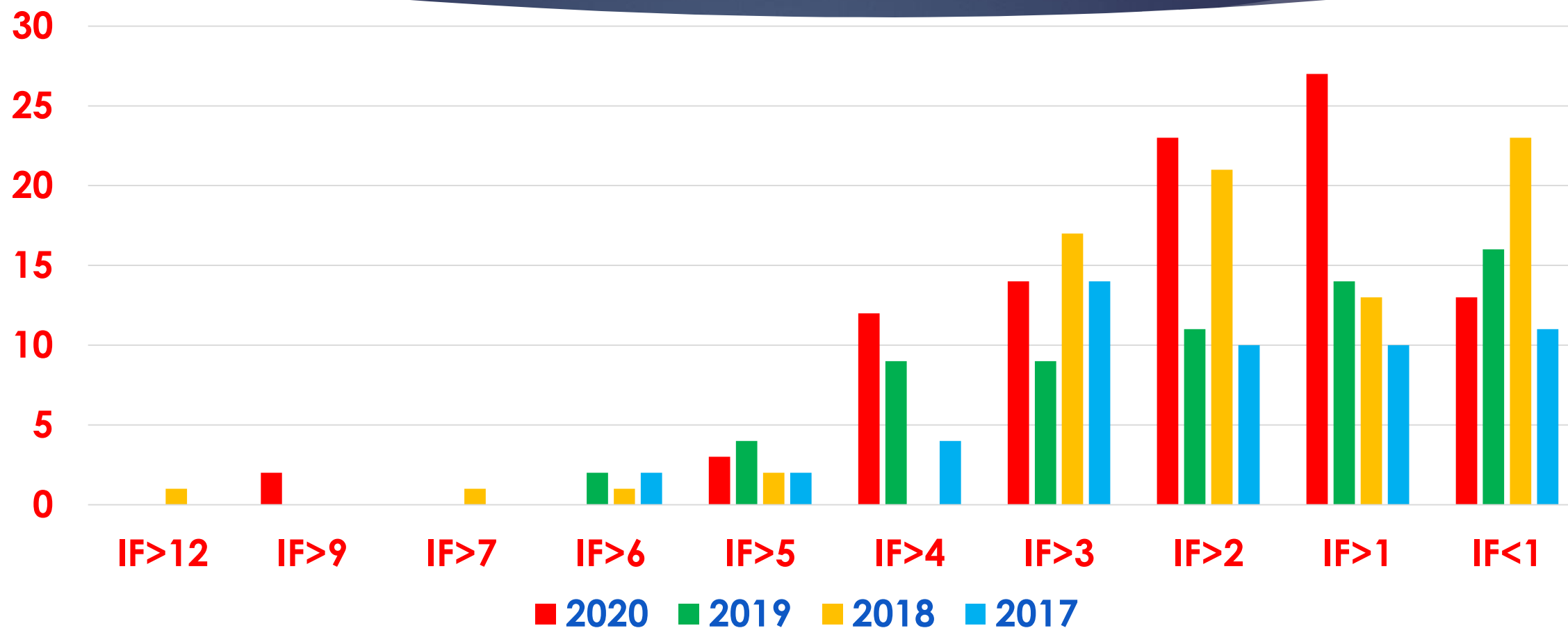
Rogachev A. et al., PNAS February 25, 2020 117 (8) 4131-4141, IF=9.58

Soloviov D. et al., PNAS March 3, 2020 117 (9) 4749-4757; IF=9.58

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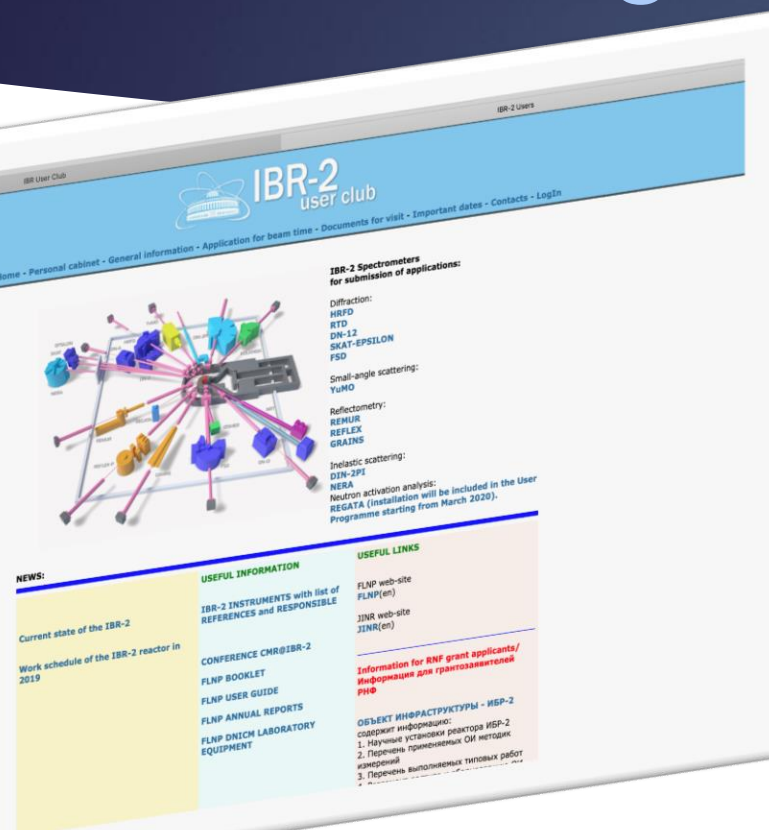
Publications 2017- 2020



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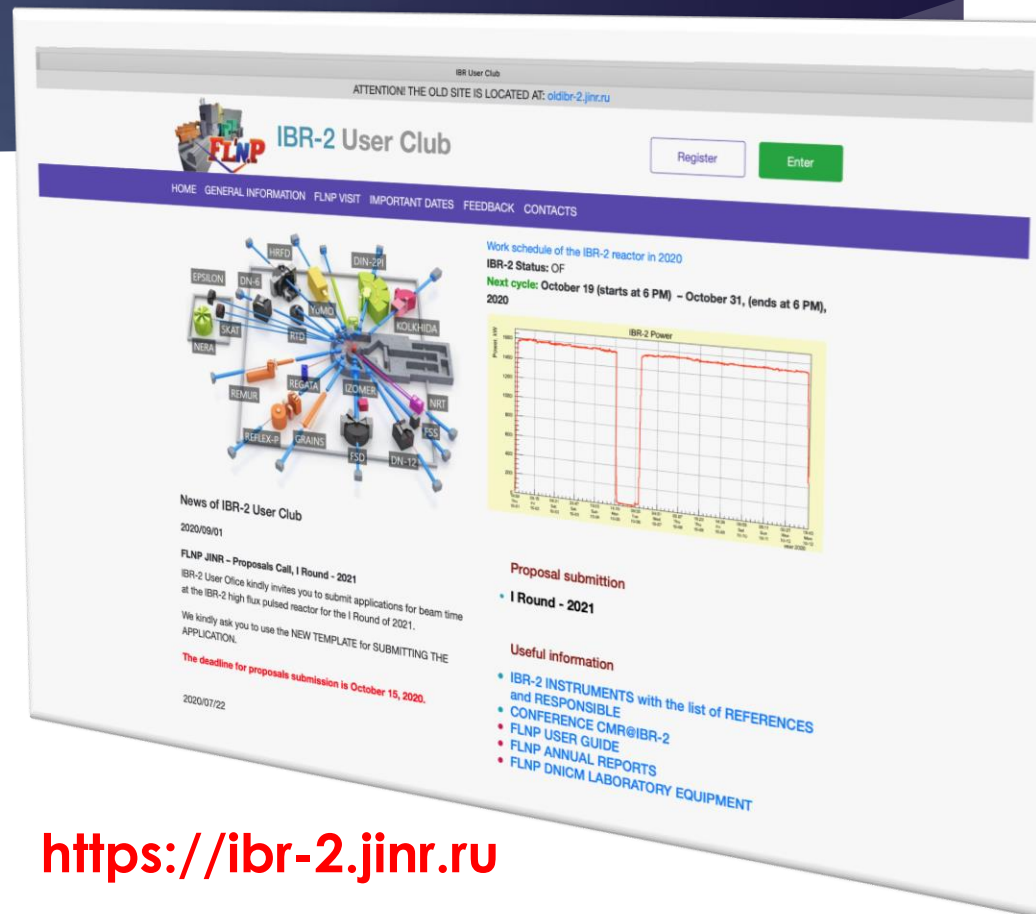


NEW WEBSITE



<http://oldibr-2.jinr.ru/>

OLD LOGIN
OLD PASSWORD



<https://ibr-2.jinr.ru>

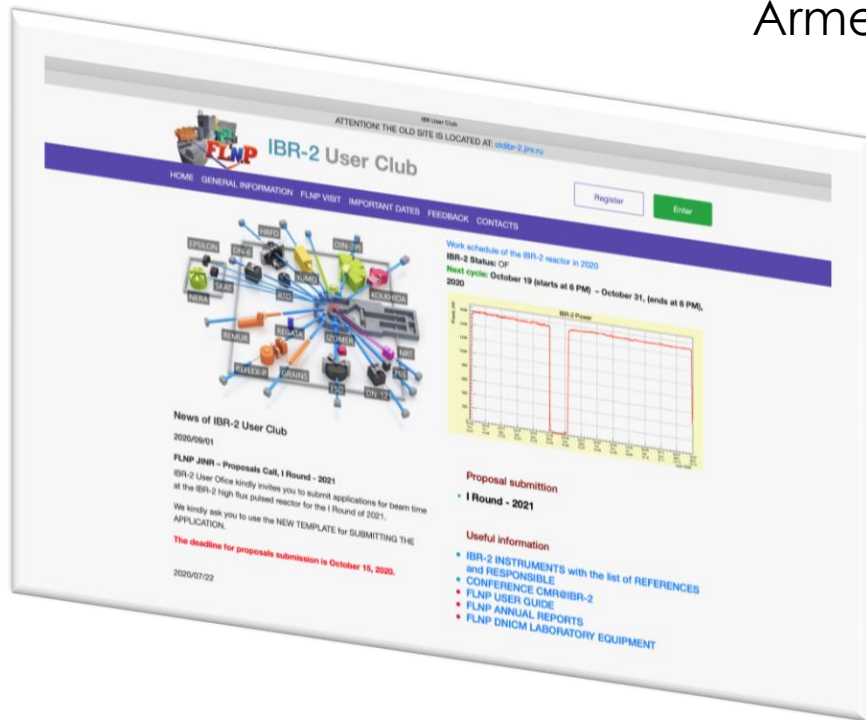
NEW REGISTRATION
EMAIL AS LOGIN
NEW PASSWORD

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<https://ibr-2.jinr.ru>

320 registered users
(more than 900 users on old website)



Armenia

Czech Republic

Kazakhstan

Russian Federation

Australia

Egypt

Latvia

Serbia

Belarus

France

Macedonia

Slovakia

Brazil

Germany

Moldova

South Africa

Bulgaria

Hungary

Mongolia

Spain

Canada

Italy

Poland

Sweden

China

Jordan

Romania

Ukraine

United Kingdom

United States

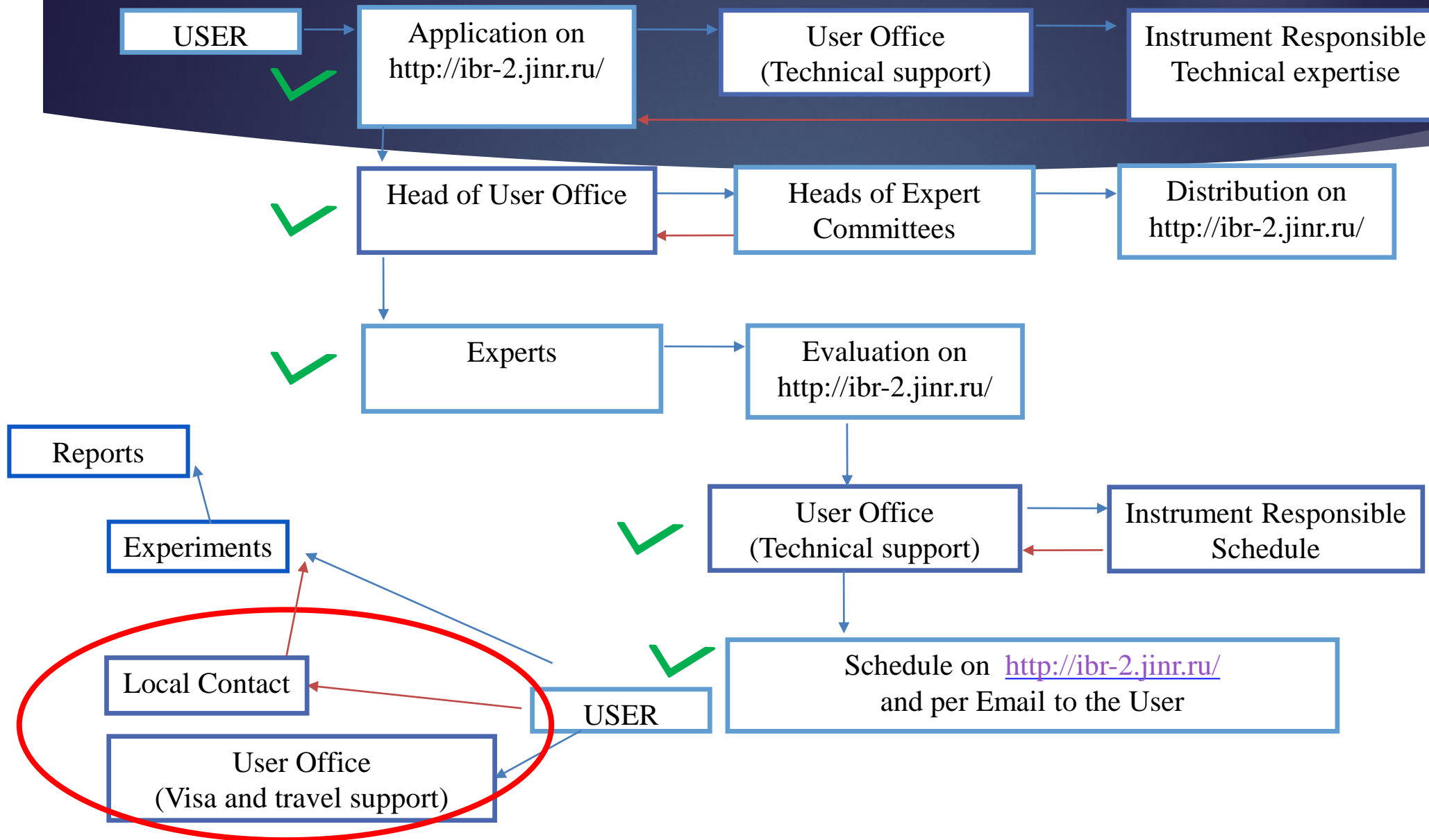
Vietnam

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- ▶ Nanosystems and Soft Matter (YuMO, GRAINS, REFLEX, REMUR) – 13 Experts
- ▶ Atomic and Magnetic Structure (RTD, DN-6, DN-12, SKAT, EPSILON, FSD, HRFD) – 8 Experts
- ▶ Lattice and Molecular Dynamics (NERA, DIN-2 PI) – 3 Experts
- ▶ Neutron Activation Analysis (REGATA) – 3 Experts

Period for proposal submission
01.09-15.10 and **01.03-15.04**



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Proposal submission for 14 instrument (new in User Program- REGATA)	September - October 2020
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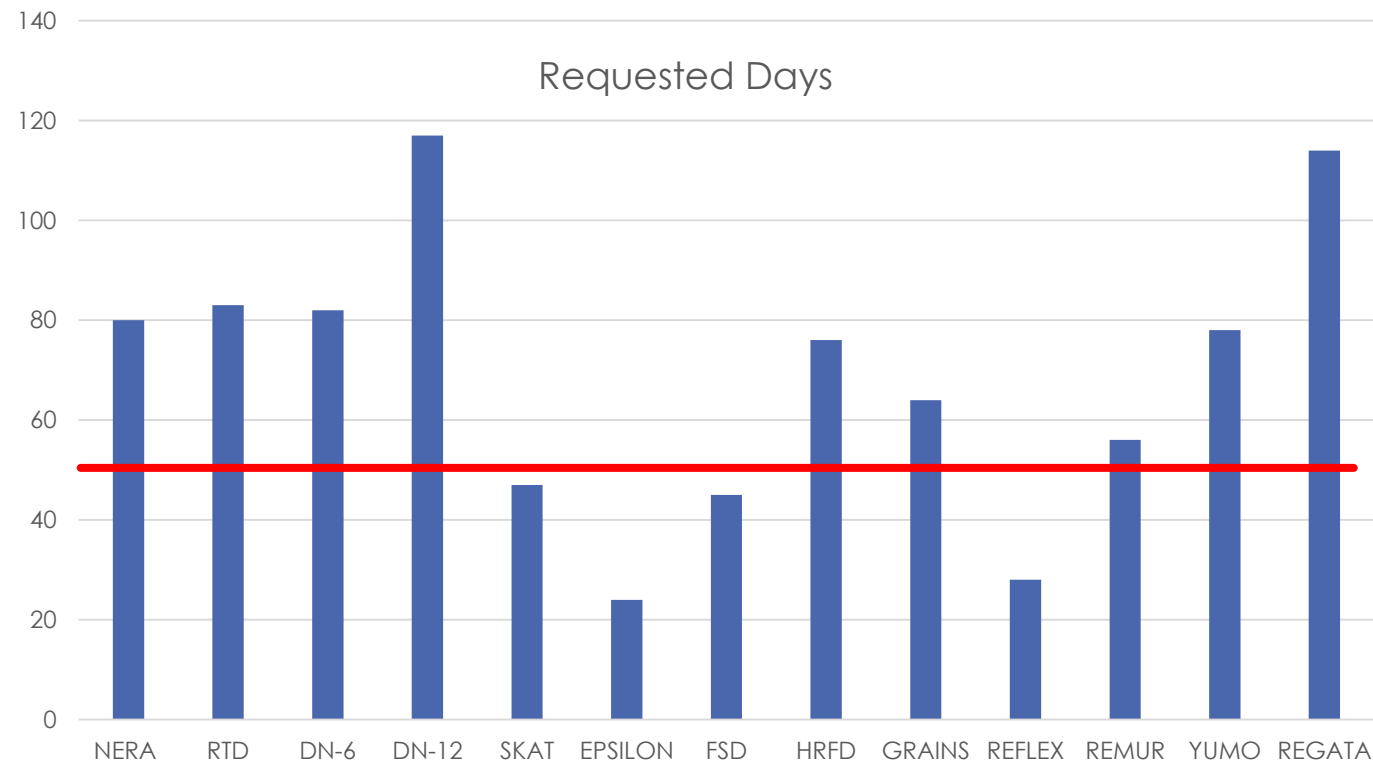
**111 submitted proposals for
realization in 2021**

**In this 44 proposals from
foreigners users**



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Work schedule of the IBR-2 reactor in first half-year 2021 for Users (without January):
51,5 days of operation for physical experiments





FLNP visit

To obtain an entry permit, you must have the following documents (preferably in English):

1. For users whose occupation involves exposure to radiation

- certificate of radiation exposure doses

2. For users whose occupation does not involve exposure to radiation

- medical certificate confirming that you are fit for work involving ionizing radiation
- certificate stating that your occupation does not involve exposure to radiation

Please note that you will not have permission to participate in the experiment unless you have the above-mentioned certificates.

Documents required for visiting JINR

Please, note!

Foreign citizens who need a Russian visa should fill in the form **at least TWO months** before arrival.

Russian citizens and foreign applicants from the countries whose citizens are eligible for visa-free entry to Russia should fill in the form at **least 20 days** before arrival.

Documents required for obtaining access to the IBR-2 experimental halls

Please, note!

The form should be completed at least 20 days prior to the beginning of the reactor cycle in which your experiment is to be conducted.

Otherwise, we do not guarantee that all documents will be prepared before your arrival.

For any questions please contact Dilyana Panova-Shvetsova (Visa and travel support) +7 (49621) 63499 (flnpvisit@jinr.ru)



IBR-2 User Club

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☐ Technical Support
☐ Travel Support

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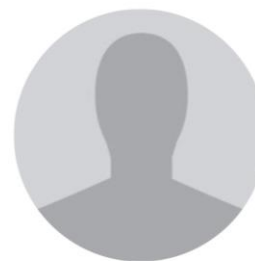
Frank
Join



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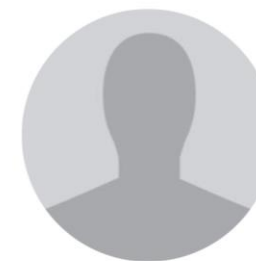
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Contacts



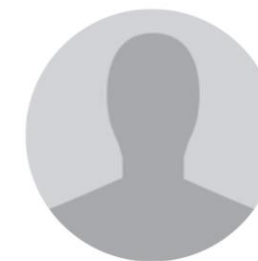
Yulia Gorshkova

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IBR-2 User Association and User Committee

Idea about user association around IBR-2 reactor was discussed during *CMR@IBR-2 Conference* in October 2020 and IBR-2 User Committee was established to increase the user activity related to the interactions with FLNP, giving support to both specific and general user questions in December 2020.

<https://ibr-2.jinr.ru/general-information>

Temporal members of IBR-2 user committee:

- Assoc. prof. Peter A. Georgiev. University of Sofia. Bulgaria.
- Dr. José María Porro Azpiazu. BCMaterials and IKERBASQUE, Basque Foundation for Science. Spain.
- Dr. Laszlo Almasy. Centre for Energy Research. Hungary.
- Prof. Vachagan Harutyunyan. A.Alikhanyan National Science Laboratory. Armenia.
- Dr. Viktor Petrenko. BCMaterials & IKERBASQUE. Spain.
- Prof. Ewa Juszyńska-Gałązka. Institute of Nuclear Physics. Poland.

Representative of Polish Neutron scattering association:

Prof. Wojciech Zając. INP, Krakow, Poland.



The IBR-2 User Committee represents the IBR-2 users in official FLNP/JINR meetings, offers a discussion forum within the IBR-2 users' community, and reports to the FLNP directorate on new strategic ideas and procedures for a continuous improvement of the IBR-2 users' community satisfaction and work conditions at the IBR-2 reactor.

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SPECIAL THANKS

Dr Yulia Gorshkova





THANK YOU FOR YOUR ATTENTION