



FLNP User Programme 2018

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PAC CM, Dubna 24-25.01.2019

Work schedule of the IBR-2 reactor in 2018

I cycle:	January 15 - January 26	January 15 - January 26	I ROUND
II cycle:	February 06 - February 18	February 06 - February 18	I ROUND
III cycle:	March 14- March 30	March 14- March 17	I ROUND
IV cycle:	April 9- April 21	April 9- April 21	I ROUND
V cycle:	May 14 - May 25	May 14 - May 17	I ROUND
VI cycle:	September 24- October 05		II ROUND
VII cycle:	October 16- November 02		II ROUND
VIII cycle:	November 14- November 24	November 19- December 4	II ROUND
IX cycle:	December 10- December 21	December 10- December 28	II ROUND



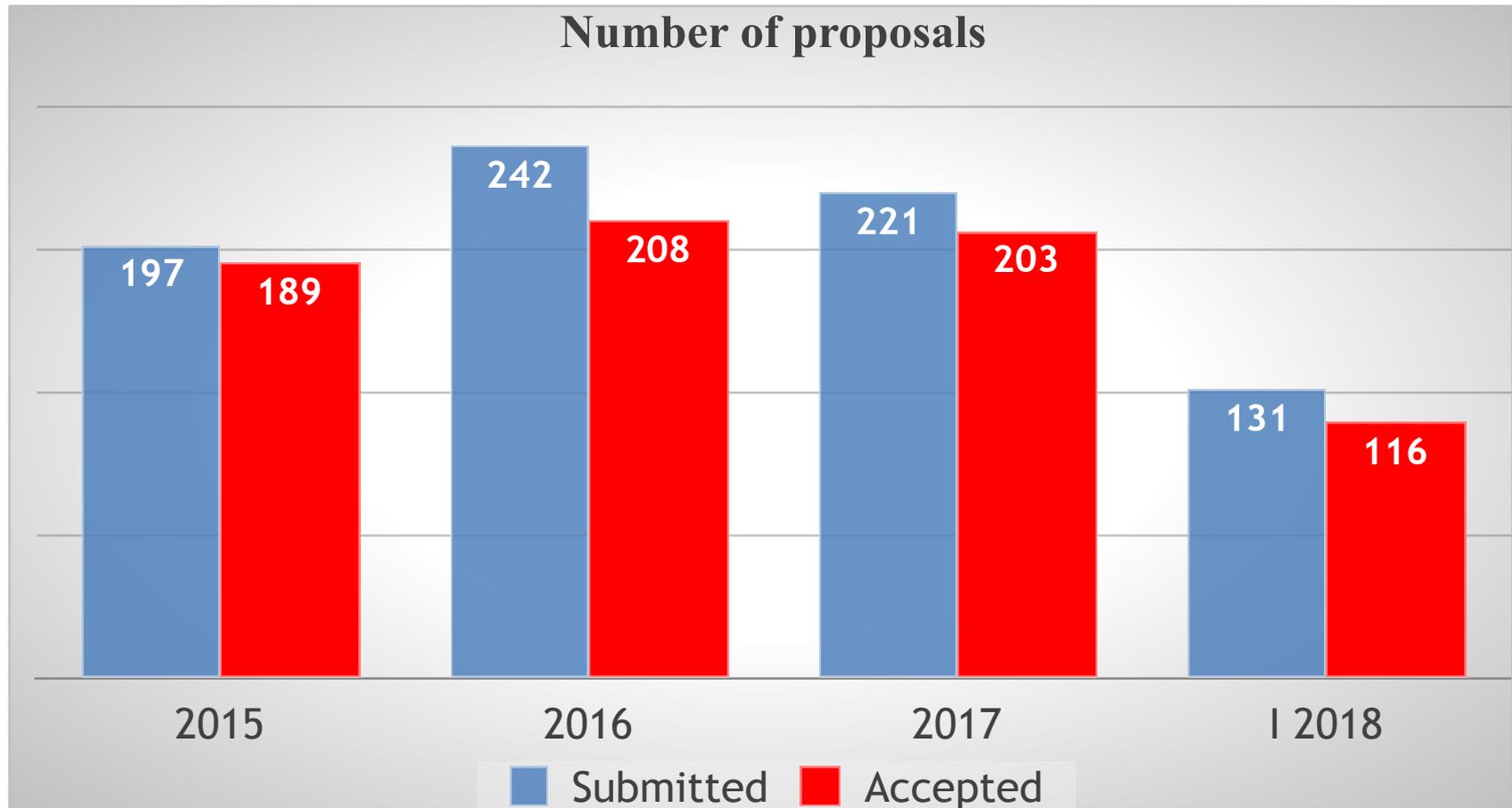
July 2018

Due to the technical issues of the IBR-2 reactor, we have decided to **postpone second experimental round** and to move all of the beam times assigned previously, to the **first half of 2019**.

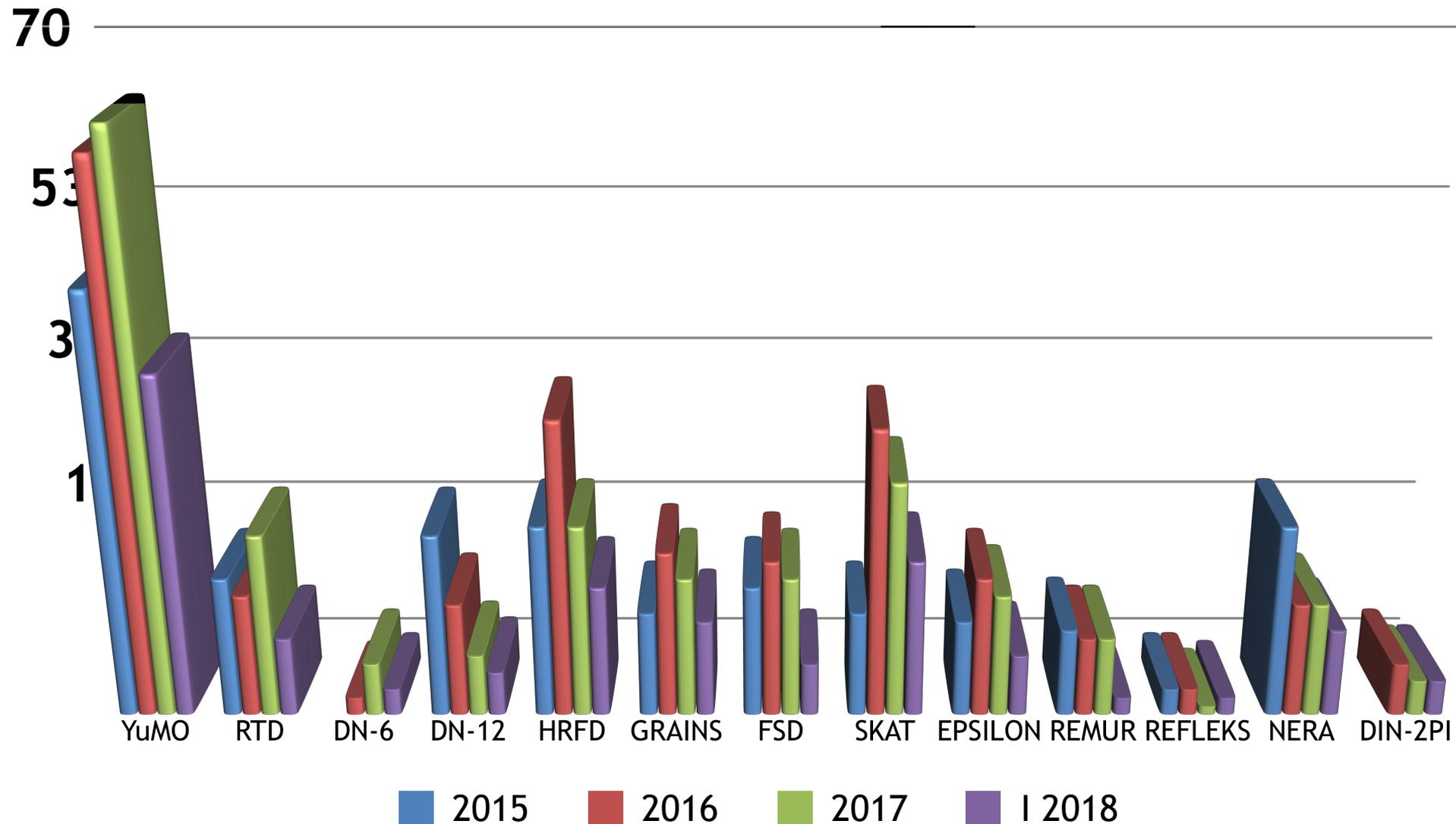
FLNP USERT PROGRAMME 2018 - 41 DAYS



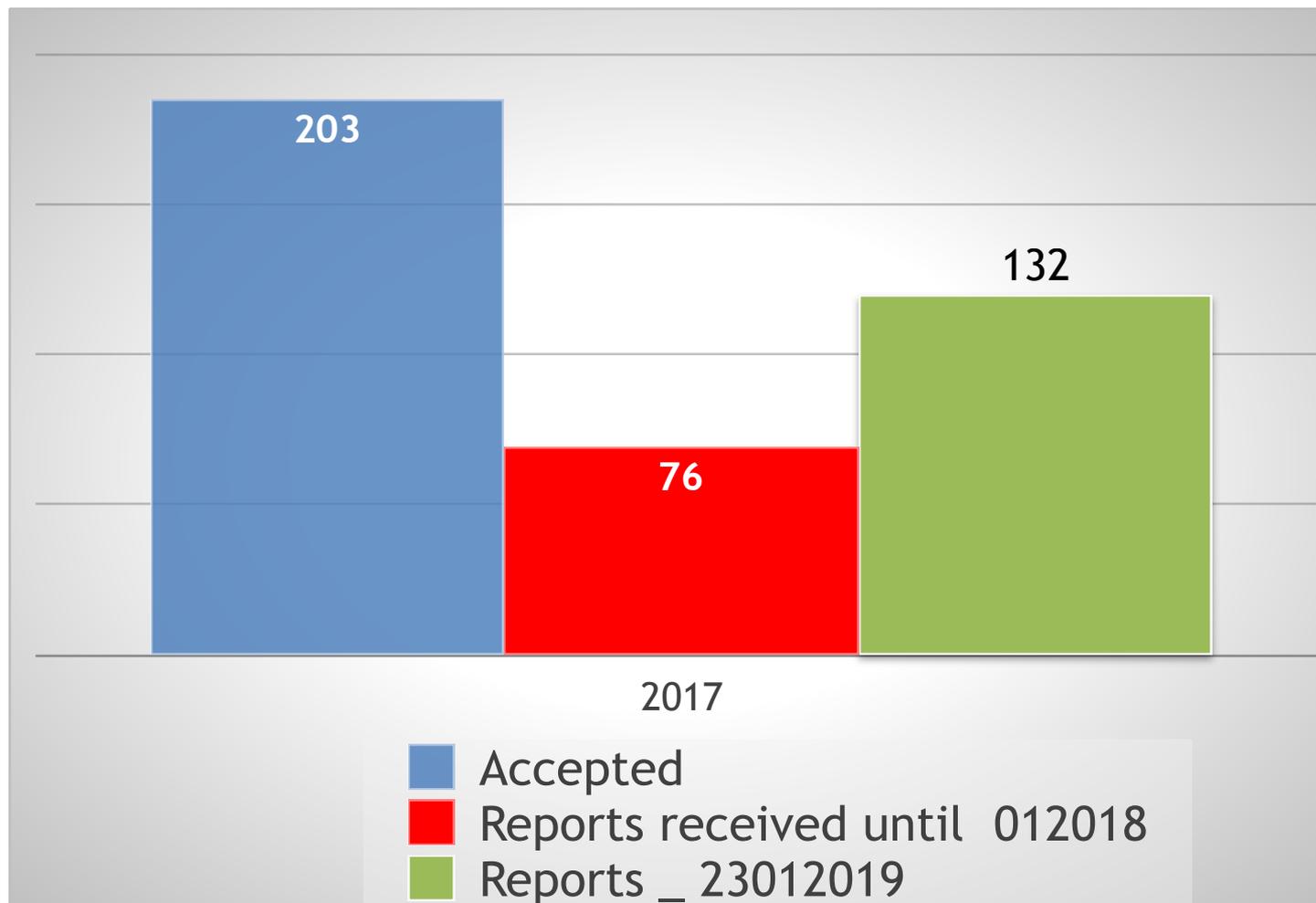
Number of proposals



Number of proposals per facility

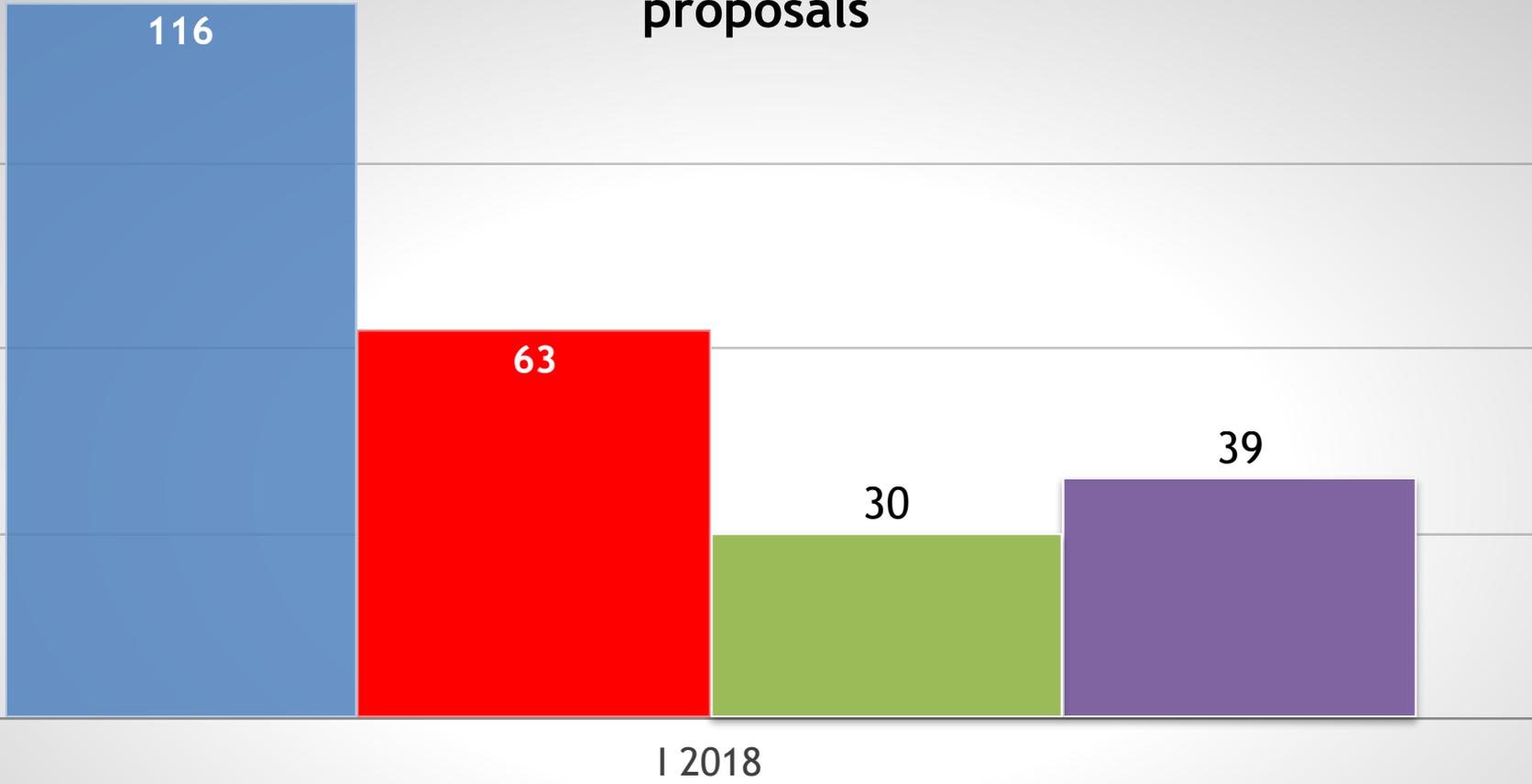


The ratio of numbers of experimental reports to number of accepted proposals





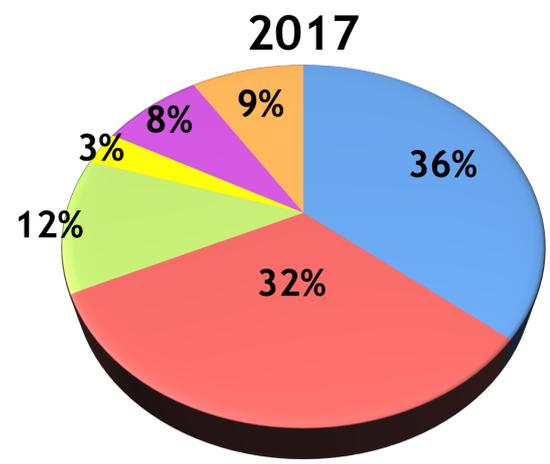
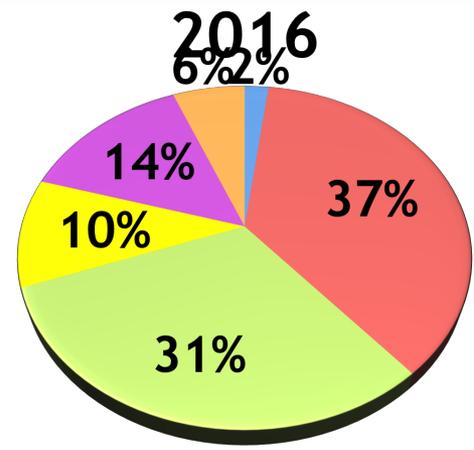
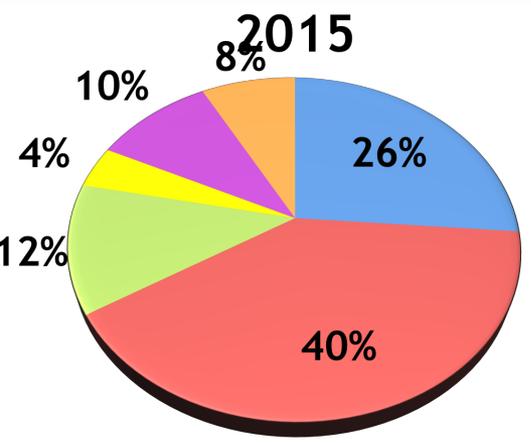
The ratio of numbers of experimental reports to number of accepted proposals



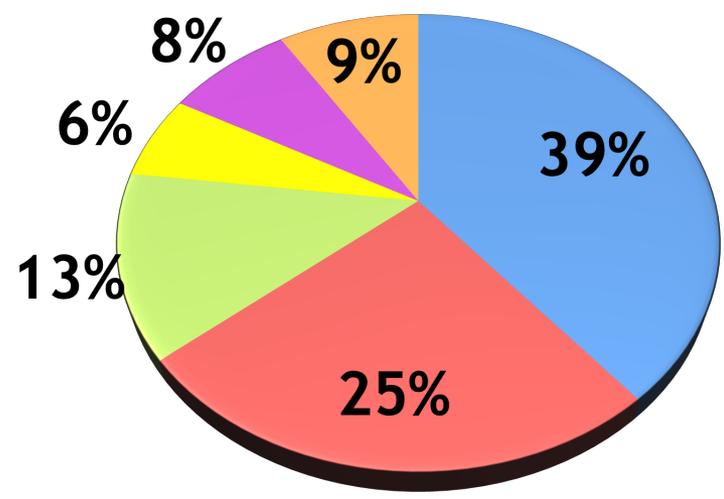
- Accepted
- The number of experiments carried out in 1st, 2nd and 4th cycle
- The number reports for experiments carried out in 1st, 2nd and 4th cycle
- General nr of received reports in I round 2018



Proposal distribution with science correlation



I 2018



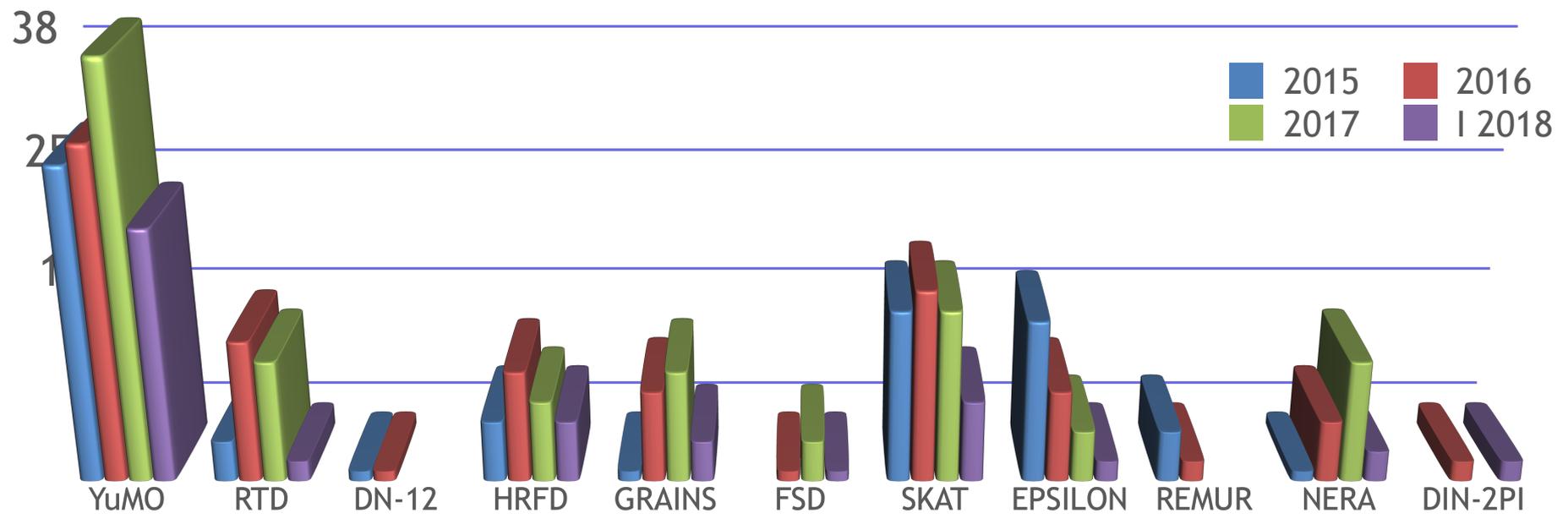
- Materials science
- Physics
- Chemistry
- Applied science
- Geosciences
- Biosciences



Visitors



Russia	30	Poland	3
Germany	10	Ukraine	3
Slovakia	2	Romania	1
Estonia	1	Egypt	1
Bulgaria	1		



Instrument Scientific Outcome

Publications



DN-12

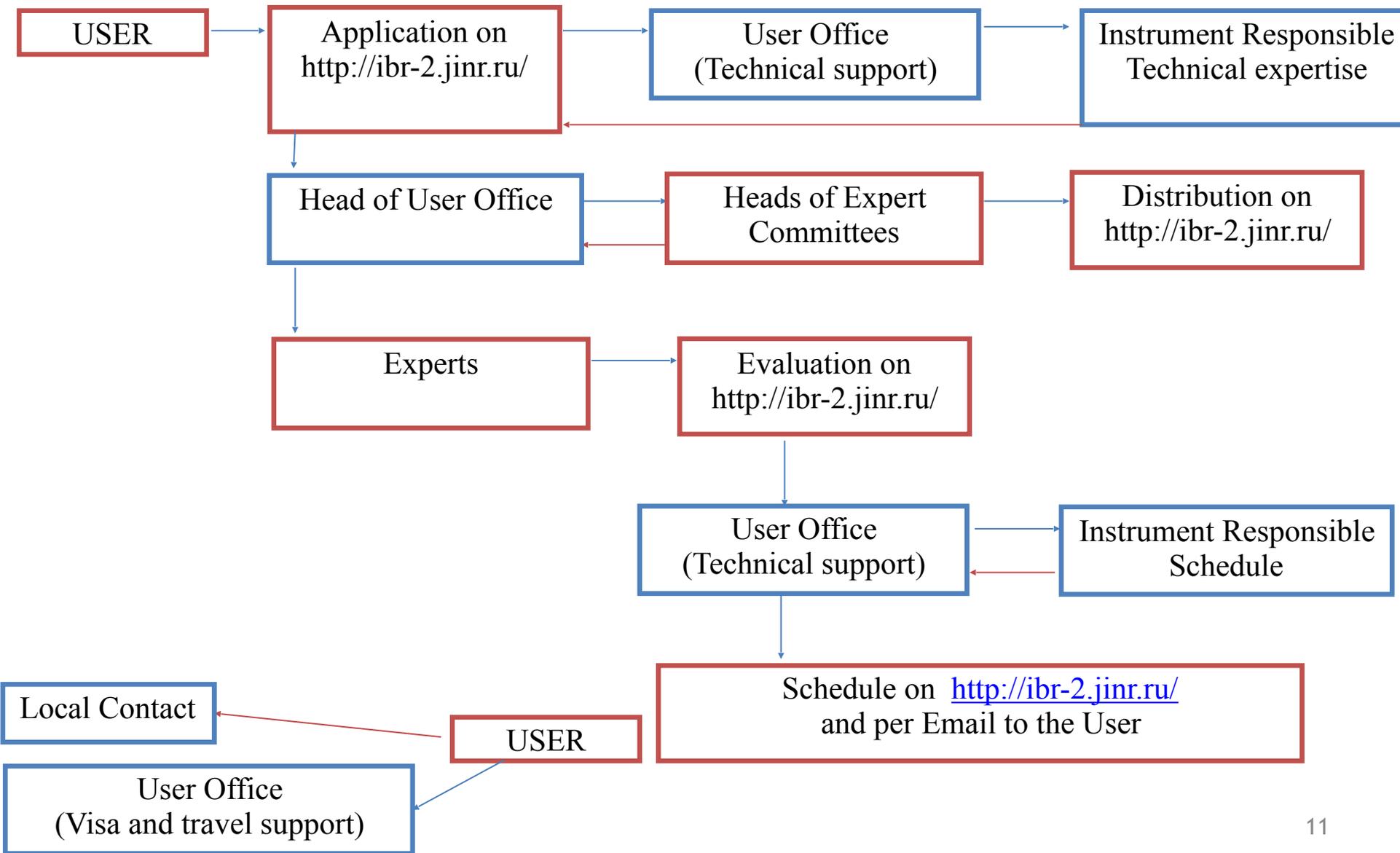
Cong J., Zhai K., Chai Y., Shang D., Khalyavin D.D., Johnson R. D., Kozlenko D. P., Kichanov S. E., Abakumov A. M., Tsirlin A. A., Dubrovinsky L., Xu X., Sheng Z., Ovsyannikov S. V., Sun Y. "Spin-induced multiferroicity in the binary perovskite manganite Mn_2O_3 ", Nature communications, 9 (2018) 2996 IF=12,124

HRFD

Balagurov A.M., Ivan A. Bobrikov, Sergey V. Sumnikov, Igor S. Golovin "Antiphase domains or dispersed clusters? Neutron diffraction study of coherent atomic ordering in Fe_3Al -type alloys" Acta Mater. 153 (2018) 45-52. IF=6,036

YuMO

Shibaev A.V., Makarov A.V., Kuklin A.I., Iliopoulos I., Philippova O.E. "Role of Charge of Micellar Worms in Modulating Structure and Rheological Properties of Their Mixtures with Nonionic Polymer" Macromolecules, 51 (2018) 213-221. IF=5,914



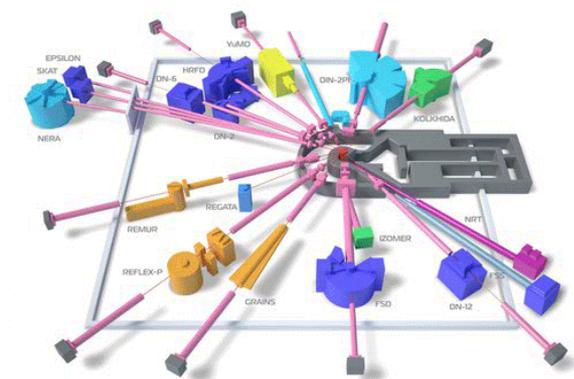


IBR-2 User Club 2.0



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Русский язык



IBR-2 Spectrometers for submission of applications

Diffraction:

- HRFD
- RTD
- DN-12
- SKAT-EPSILON
- FSD

Reflectometry:

- REMUR
- REFLEX
- GRAINS

Inelastic scattering:

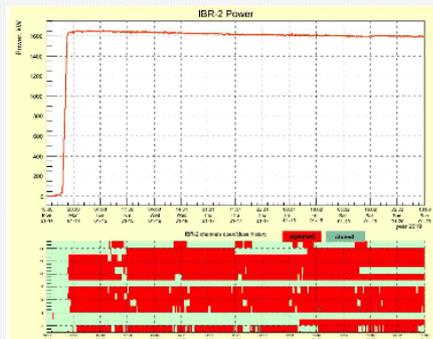
- DIN-2PI
- NERA

Small-angle scattering:

- YuMO

IBR-2 INSTRUMENTS with list of REFERENCES and RESPONSIBLES

IBR-2 Current status



Current cycle: January 14, 18:00 – January 27, 18:00

Work schedule of the IBR-2 reactor in 2019

Information for RNF grant applicants

1. Scientific installations of the IBR-2 reactor
2. List of applied OI measurement techniques
3. List of typical work performed
4. Rules of access to equipment OI - Regulations on the program of users
5. OI Work Plan - Schedule of the IBR-2 installation
6. The local act of the owner of the Olympics on the creation of the Olympics
7. The draft civil law contract on the performance of work and (or) the provision of services for research, as well as the implementation of experimental developments



Frank Laboratory of Neutron Physics (FLNP)
Official website



Application for beam time

Filter: App Status All Instrument All

Show all except Completed Apps

#	App number	Experiment title	Proposal Status	Instrument	Local contact	Days	Schedule	App Status	Action	Report
1	2019-01-20-14-40-31 Download file	Complementary study of structural Properties and Nuclear Dynamics in a Series of ANtibacterial 5-Nitroimidazole Derivatives	Coproposal	NERA	Dorota Chudoba	66	Will be appointed after consideration	Draft	Submit	Please submit your report after experim.
2	2019-01-16-23-17-04 Download file	Local dynamic of proton defects in Sr-doped LaScO3 after proton uptake from H2 and H2O atmospheres	Principle	NERA	Gogemychkin Evgeniy	12	2019-03-11	Planned	--	Please submit your report after experim.
3	2018-11-09-54-33-41 Download file	Doxorubicin	Coproposal	NERA	Dorota Chudoba	2	2018-12-28	Completed	--	Report Submitted Download file



<http://flnp.jinr.ru>

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

Dorota Chudoba

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Thank you for your attention!