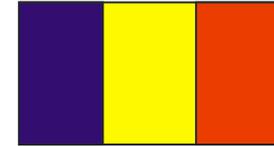
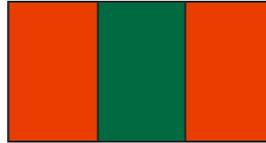
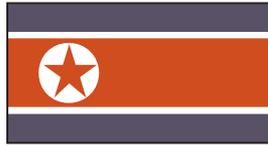




***Bogoliubov Laboratory of
Theoretical Physics***



**The agreement on the establishment of
JINR
was signed on 26 March 1956 in Moscow**

Laboratory of Theoretical Physics, JINR



May 25, 1956

П Р И К А З

ПО ЛИЧНОМУ СОСТАВУ ОБЪЕДИНЕННОГО ИНСТИТУТА

№ 5

"25" мая 1956 года.

До утверждения новой структуры Института возложить на академика БОГОЛЮБОВА Николая Николаевича /начальника сектора № 3 Теоретической лаборатории/ исполнение обязанностей директора Теоретической лаборатории Объединенного Института.

ДИРЕКТОР

ОБЪЕДИНЕННОГО ИНСТИТУТА ЯДЕРНЫХ ИССЛЕДОВАНИЙ

Д.И. БЛОХИНЦЕВ

ПО ЛИЧНОМУ СОСТАВУ ОБЪЕДИНЕННОГО ИНСТИТУТА

№ 6

"25" мая 1956 г.

- ЗАЧИСЛИТЬ: 1. БОГОЛЮБОВА Николая Николаевича временно начальником сектора № 3 Теоретической лаборатории с окладом 6000 руб. в месяц, с 1 июня с.г.
2. ШИРКОВА Дмитрия Васильевича старшим научным сотрудником сектора № 3 Теоретической лаборатории с окладом 1500 руб. в месяц по совместительству, с 1 июня с.г.
3. МЕДВЕДЕВА Бориса Валентиновича старшим научным сотрудником сектора № 3 Теоретической лаборатории с окладом 1500 руб. в месяц по совместительству, с 1 июня с.г.
4. ПОЛИВАНОВА Михаила Константиновича научным сотрудником сектора № 3 Теоретической лаборатории с окладом 1000 руб. в месяц по совместительству, с 1 июня с.г.

ДИРЕКТОР

ОБЪЕДИНЕННОГО ИНСТИТУТА ЯДЕРНЫХ ИССЛЕДОВАНИЙ

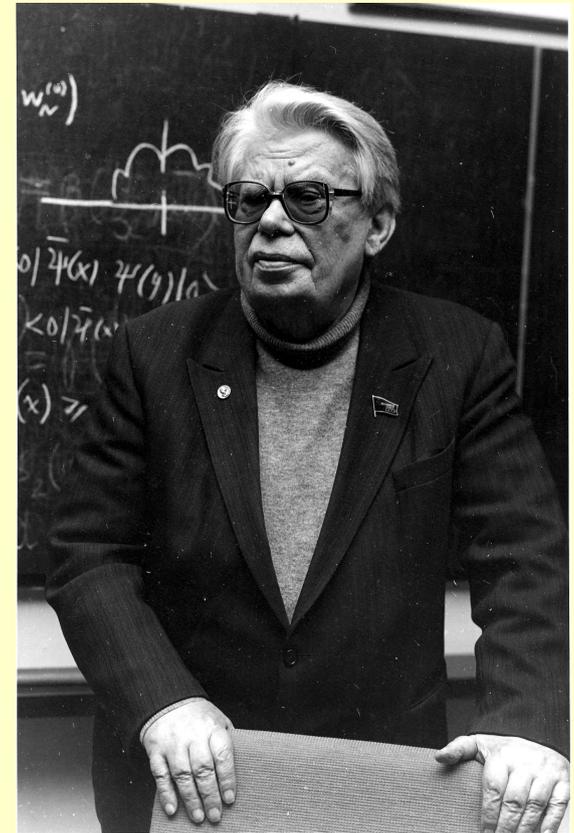
Д.И. БЛОХИНЦЕВ

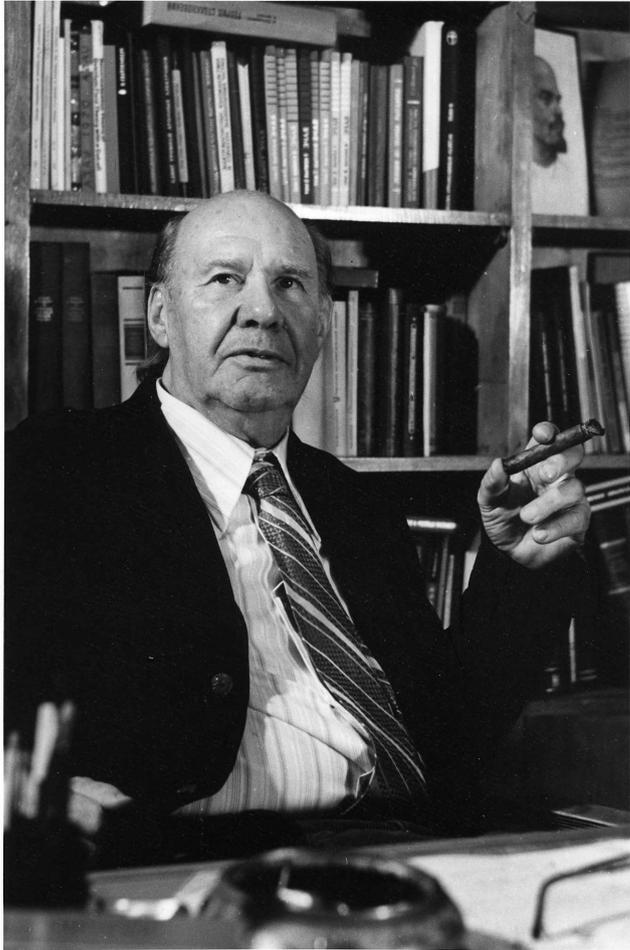
Nikolai Nikolaevich Bogoliubov (1909–1992) is a distinguished scientist in the field of physics and mathematics. His scientific activity began in Kyiv (1923–1947) and then continued in Moscow (since 1949) and Dubna (since 1956). Main scientific results in the fields:

- Nonlinear mechanics: asymptotic methods, stability theory ;
- Statistical physics: kinetic equations, quasiaverages for systems with spontaneously broken symmetries;
- Quantum statistics: microscopic theory of Bose-gas superfluidity, microscopic theory of superconductivity ;
- Quantum field theory: axiomatic scattering matrix, general renormalization theory, renormalization group theory, proof of dispersion relations;
- Elementary Particle Theory: "quark bag" model, quantum number "colour".

N.N. Bogoliubov's scientific activity began at the age of 14 –15. His major independent results were obtained when he was 20–25.

N.N. Bogoliubov's scientific activity is specified by considerable mathematical culture and directness to solution of concrete problems of natural science.





Dmitrii Ivanovich Blokhintsev (11.01. 1908 – 27.01.1979), one of the pioneers of atomic science and technology in USSR, the organizer and the first director of the JINR.

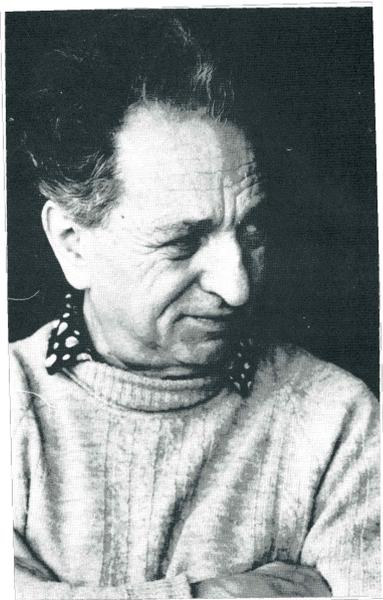
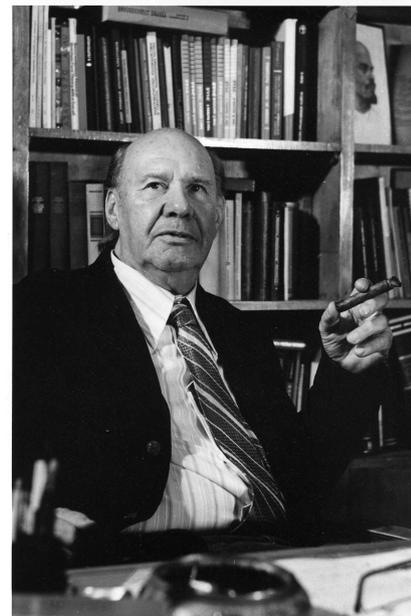
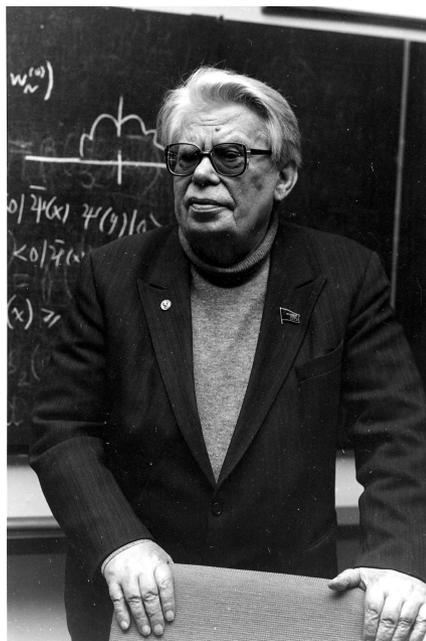
Main scientific results in the fields:

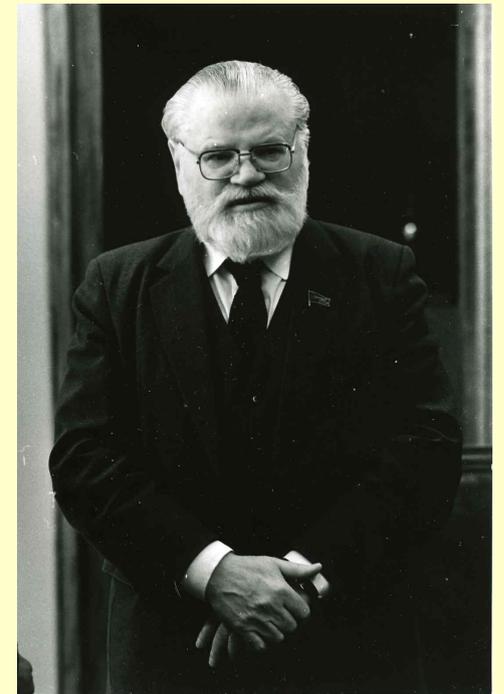
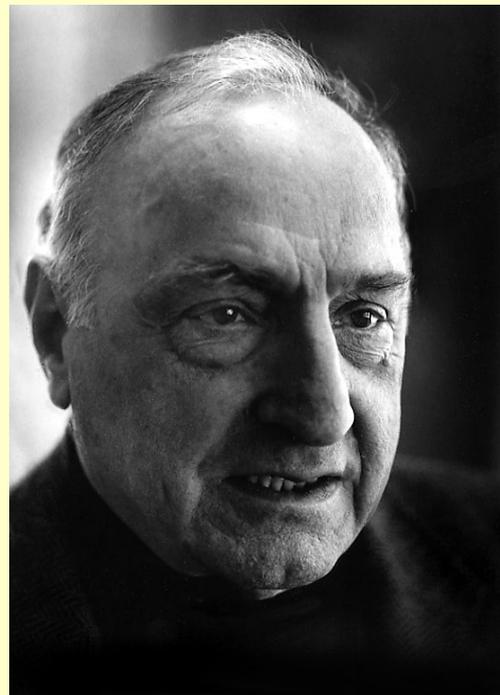
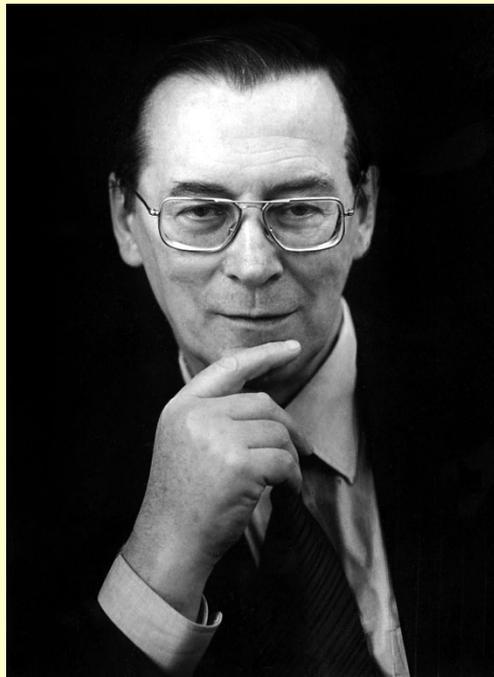
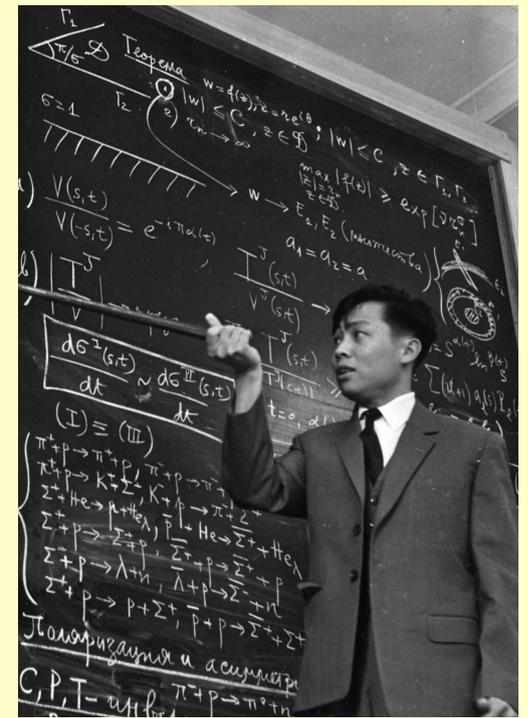
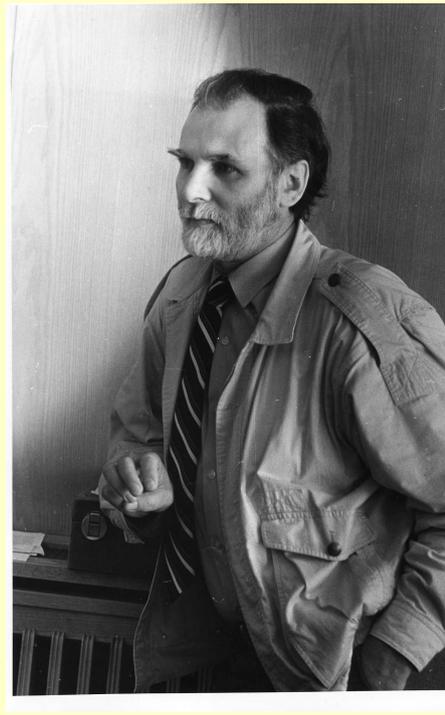
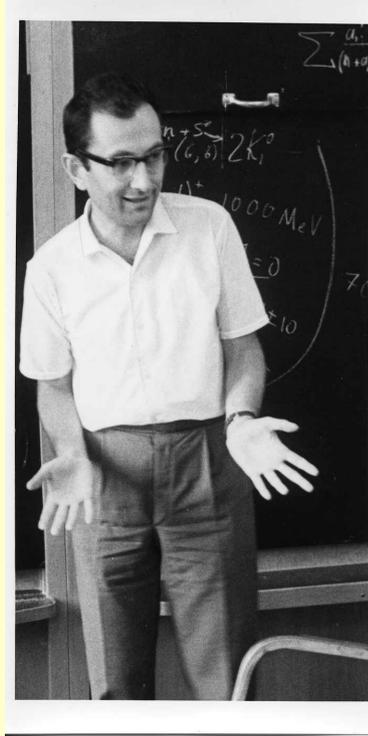
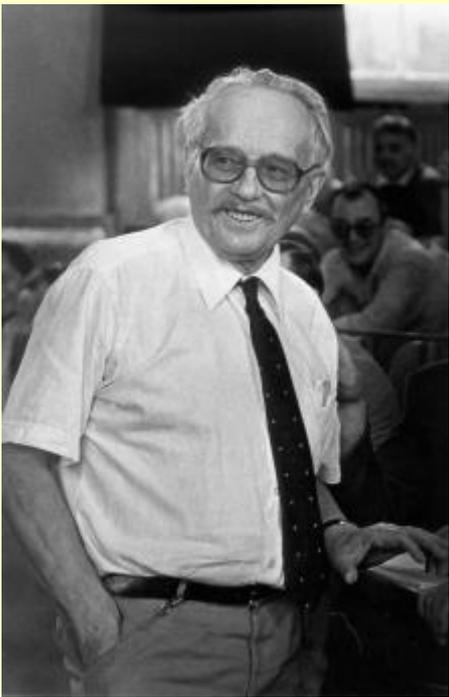
- Quantum mechanics
- Acoustics of an inhomogeneous moving medium
- Neutron physics
- Quantum field theory
- Particle physics

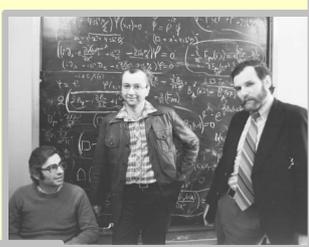
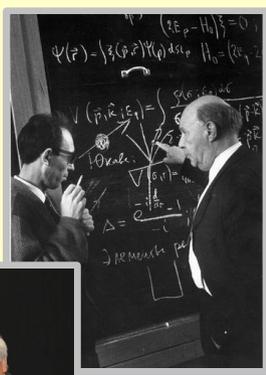
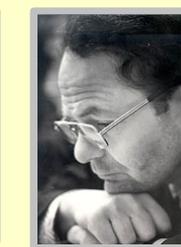
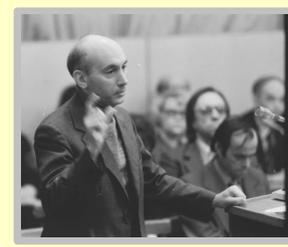
1954 – the scientific supervisor of creation and putting into operation of the world first atomic power station.

1956- 1965 – the JINR Director

1965 – 1979 – Director of Lab of Theoretical Physics





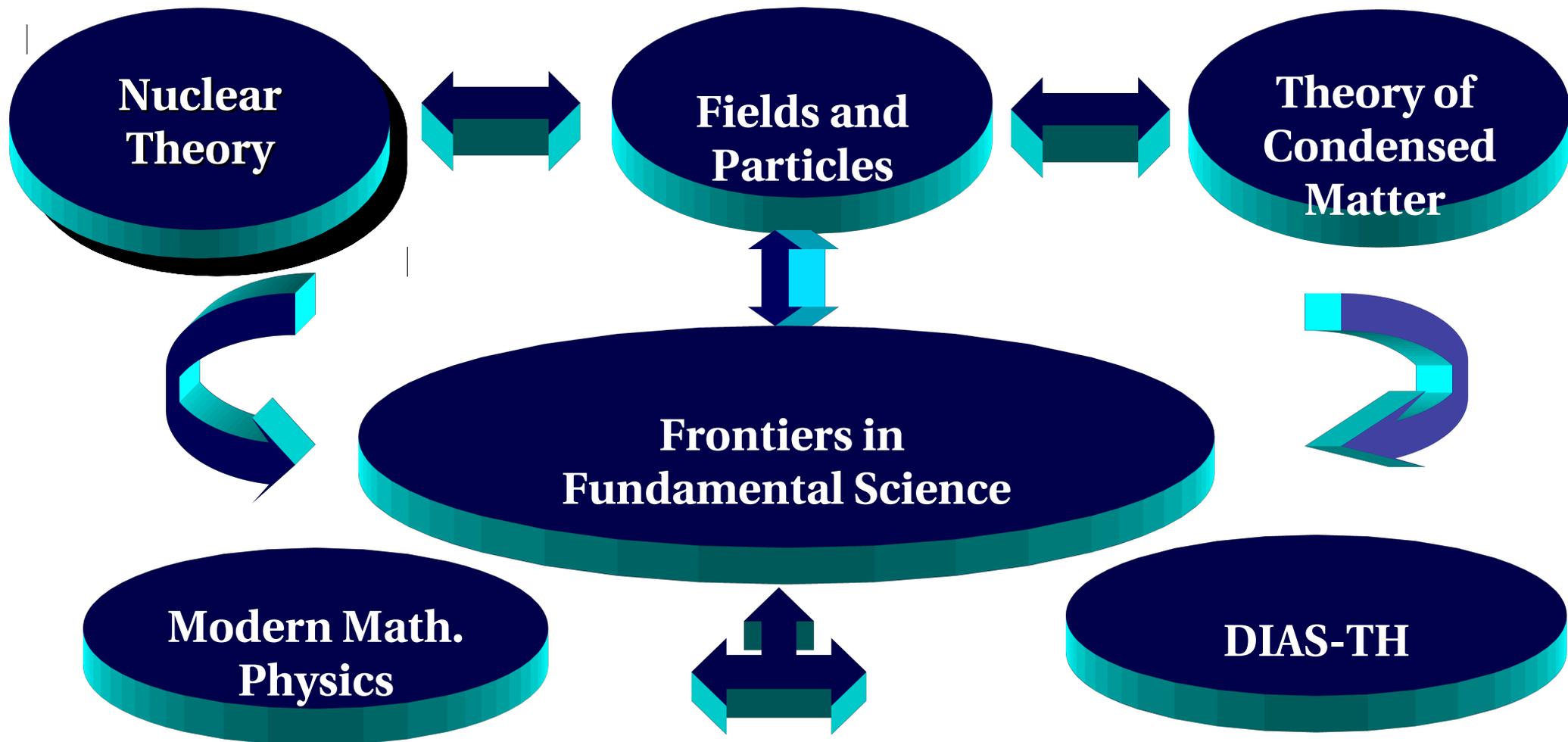


**BLTP:
Fundamental Science
International Cooperation,
Education**



BLTP's Scientific Policy

Development of research in **Theoretical Physics**
on the basis of **Advanced Mathematics**;
Support of the **JINR Experimental Programme**;
Strengthening of the **efficiency of scientific staff** through
the interplay of **Research and Education**.

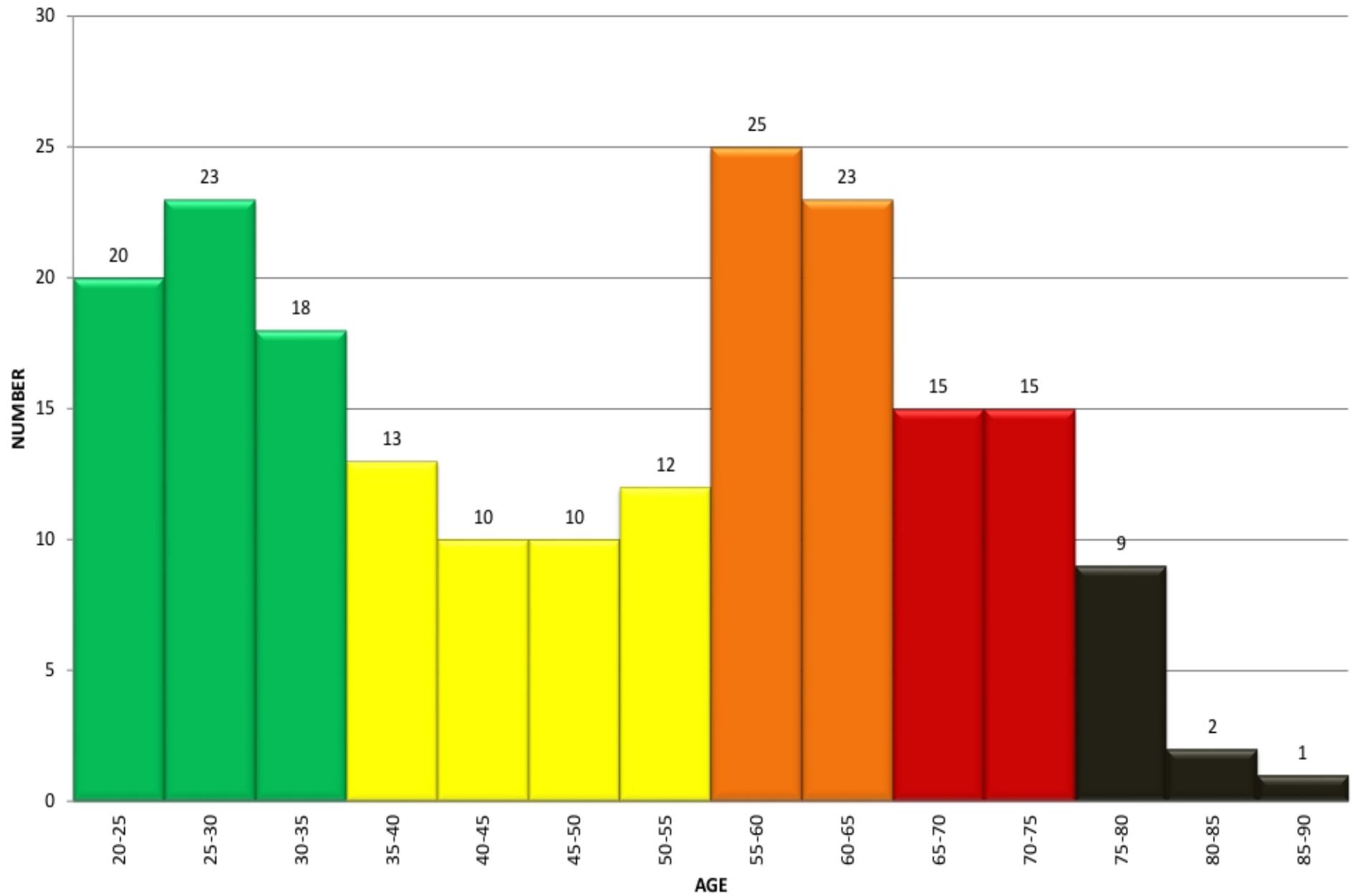


Scientific Personnel

	D	C	O	Total
Theory of Elementary Particles	28	20	16	66
Nuclear Structure and Dynamics	22	19	20	61
Theory of Condensed Matter	13	23	7	43
Modern Mathematical Physics	12	10	11	33
Total	75	71	57	203

D – doctor, C – candidate, O – without degree

BLTP scientific personnel



Bogoliubov Laboratory of Theoretical Physics

Main directions of research

Theory of Elementary Particles and Fields

Nuclear Theory, Nuclear Structure and Dynamics

Theory of Condensed Matter and New Materials

Modern Mathematical Physics

Research and Education Project
“Dubna International School of
Theoretical Physics (DIAS-TH)”



Publications, 2012

Total ~ 450

Journals ~ 260

Conferences and Schools

Total - 15 (> 1000 participants)

DIAS-TH and Helmholtz Schools - 3
(> 20 countries were represented)

Educational Activity

More than 50 lecture courses at JINR UC,
DIAS-TH, Moscow U., Dubna U., MPTI, etc.



Themes and projects

Theory of Elementary Particles and Fields

(01-3-1070-2009/2013)

Projects:

- Standard Model and Its Extension,
- QCD Parton Distributions for Modern and Future Colliders,
- Physics of Heavy and Exotic Hadrons,
- Mixed Phase in Heavy-Ion Collisions.

Nuclear Theory, Nuclear Structure and Dynamics

(01-3-1071-2009/2013)

Projects:

- Nuclear Structure far from Stability Valley
- Nucleus-Nucleus Collisions and Nuclear Properties
- Exotic Few-Body Systems,
- Nuclear Structure and Dynamics at the Relativistic Energies.

Theory of Condensed Matter and New Materials

(01-3-1072-2009/2013)

Projects:

- Physical properties of complex materials and nanostructures
- Mathematical problems of many-particle systems

Modern Mathematical Physics

(01-3-1073-2009/2013)

Projects:

- Quantum groups and integrable systems
- Supersymmetry
- Quantum gravity, cosmology and strings

Research and Education Project “Dubna International School of Theoretical Physics (DIAS-TH)”

(01-3-1074-2009/2013)



Рейтинг рассчитывается по публикациям организации за 5 лет (2007-2011).

№	Название организации	Публ.	Цитир.	Сред. ИФ	H-индекс	Сводный
1	Московский государственный университет им. М.В. Ломоносова (Москва)	44746	62739	0,585	156	1
2	Объединенный институт ядерных исследований (Дубна)	5684	25555	1,835	127	2
3	Санкт-Петербургский государственный университет (Санкт-Петербург)	18558	17664	0,422	95	3
4	Институт теоретической и экспериментальной физики им. А.И. Алиханова (Москва)	2618	15694	2,810	109	4
5	Физико-технический институт им. А.Ф. Иоффе РАН (Санкт-Петербург)	5727	15816	1,198	118	5
6	Физический институт им. П.Н. Лебедева РАН (Москва)	4344	14618	1,275	123	6
7	Петербургский институт ядерной физики им. Б.П. Константинова РАН (Гатчина)	2081	13360	2,511	111	7
8	Международный университет природы, общества и человека "Дубна" (Дубна)	3171	10821	1,404	73	8
9	Национальный исследовательский центр "Курчатовский институт" (Москва)	4162	10876	0,970	105	9
10	Новосибирский национальный исследовательский государственный университет (Новосибирск)	5726	6377	0,675	52	10
11	Институт ядерной физики им. Г.И. Будкера СО РАН (Новосибирск)	1681	10869	2,260	87	11
12	Институт физики высоких энергий (Протвино)	1178	14235	3,171	89	12
13	Национальный исследовательский ядерный университет МИФИ (Москва)	4854	11482	0,666	72	13
14	Институт космических исследований РАН (Москва)	2063	6989	1,570	80	14
15	Институт катализа им. Г.К. Борескова СО РАН (Новосибирск)	3317	7039	0,950	74	15

- [▶ Следующая ст](#)
- [▶ Список органи](#)
- [▶ Сравнение библиометрич показателей организаций](#)

Research Organization	H ₁	Total number of publications 2007-2012/ H ₂	Total number of publications 2009/ H ₃	Total number of citations of articles published in 2009	Percent of citations accumulated in the category of top cited	Budget (2012)	Employees
CERN Europe	333	3695/ 104	639/ 55	12643	49% (6220)	480 million euros	2400 employees + 10000 visiting scientists
DESY Germany	209	1924/ 80	397/ 40	7316	43% (3138)	160 million euros	1560 employees, 365 scientists
JINR Dubna	172	2953/ 94	658/ 47	11082	43% (4786)	126 million dollars	1200 scientists 2000 engineers and technicians
KEK Japan	184	1587/ 77	272/ 34	5250	48% (2523)	295 million euros	1600 employees
FNAL USA	256	2305/ 105	534/ 58	14120	59% (8349)	366 million dollars	1960 employees (960 scientists) + 2090 visiting
SLAC USA	252	1518/ 82	278/ 48	7761	60% (4715)	335 million dollars	735 employees
BNL USA	218	1850/ 98	374/ 47	9643	60% (5824)	674 million dollars	3000 employees
INP Novosibirsk	146	1007/ 65	171/ 28	3442	55% (1916)	–	–
GSI Germany	106	870/ 43	184/ 25	2572	43% (1121)	108 million euros	1050 employees including 300 scientists and engineers
IHEP, Protvino	144	1317/ 88	271/ 37	6038	48% (2898)	–	–
ITEP Moscow	187	2085/ 83	485/ 43	9112	37% (3617)	–	–
LPI Moscow	149	912/ 59	197/ 29	4699	63% (2994)		
IHEP Beijin	123	1489/ 71	316/ 32	4908	43% (2129)	322 million dollars for five years (2010-2015)	1285 employees, 753 scientists

[1994](#) | [1995](#) | [1996](#) | [1997](#) | [1998](#) | [1999](#) | [2000](#) | [2001](#) | [2002](#) | [2003](#) | [2004](#) | [2005](#) | [2006](#) |
[2007](#) | [2008](#) | [2009](#) | [2010](#) | [2011](#) | [2012](#)

January 23 - 27
International Workshop
[Classical and Quantum Integrable Systems](#)

January 30 - February 6
[Xth Winter School on Theoretical Physics](#)

April 1 - 30
XVIth Research Workshop
[Nucleation Theory and Applications](#)

April 2 - 4, Frankfurt, Germany
NICA/JINR - FAIR Bilateral Workshop
[Matter at highest baryon densities in the laboratory and in space](#)

June 17 - 23, Prague, Czech Republic
XX International Colloquium
[Integrable Systems and Quantum Symmetries](#)

June 27 - 29
International Workshop
[Few-Body Systems](#)

July 1 - 8, Prague, Czech Republic
Advanced Study Institute
[Symmetries and Spin](#)

July 2 - 7
International Conference
[Nuclear Structure and Related Topics \(NSRT12\)](#)

July 9 - 14
International Conference
[Dubna - Nano2012](#)

July 23 - August 2
5th Helmholtz International School - Workshop
[Calculations for Modern and Future Colliders \(CALC-2012\)](#)

August 2 - 6
KLFTP/CAS - BLTP/JINR Workshop on
[Nuclear Problems](#)

August 28 - September 8
Helmholtz International School
[Dense Matter in Heavy-Ion Collisions and Astrophysics](#)

September 10 - 14, Stara Lesna, High Tatras, Slovakia
5th International Conference
[Precision physics and fundamental physical constants](#)

September 10 - 15
XXI International Baldin Seminar
[Relativistic Nuclear Physics & Quantum Chromodynamics](#)

September 16 - 23
20th International Symposium on
[Spin Physics \(SPIN2012\)](#)

November 27 - 30, Stellenbosch, South Africa
3rd South Africa - JINR Symposium
[Few to Many Body Systems: Medels, Methods and Applications](#)

December 16 - 18
Round Table 5
[France - Italy - Russia @ Dubna](#)

Conferences, Workshops, Schools, Seminars - 2012

International Workshop
Classical and Quantum Integrable Systems

Total - 18 (> 1000 participants)

Xth Winter School on Theoretical Physics

International Workshop

Few-Body Systems

Helmholtz International School
Dense Matter in Heavy-Ion Collisions
and Astrophysics

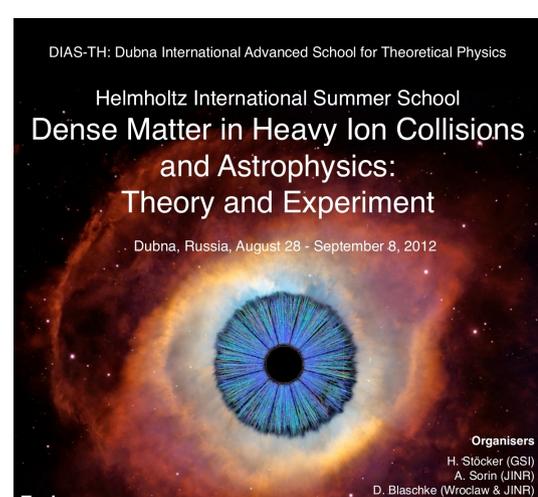
International Conference

Nuclear Structure and Related Topics (NSRT12)

International Conference

Dubna - Nano2012

Helmholtz International School - Workshop
Calculations for Modern and Future Colliders
(CALC-2012)



INTERNATIONAL CONFERENCE
NUCLEAR STRUCTURE AND RELATED TOPICS

Bogoliubov Laboratory of Theoretical Physics,
JINR, Dubna, Russia, July 2 - July 7, 2012

LOCAL ORGANIZING COMMITTEE:

R. Jolos (Dubna)	Co-chairman
V. Voronov (Dubna)	Co-chairman
A. Zubov (Dubna)	Scientific secretary
N. Antonenko (Dubna)	
S. Ershov (Dubna)	
E. Rusakovich (Dubna)	
V. Sargsyan (Dubna)	
A. Severyukhin (Dubna)	
V. Shilov (Dubna)	
F. Šimkovic (Dubna)	
T. Teterova (Dubna)	
A. Vdovin (Dubna)	

MAIN TOPICS:

nuclear excitations at various energies; collective phenomena in nuclear dynamics; nuclear structure and reactions at limits of nuclear existence; production and properties of heaviest nuclei; symmetries in nuclei; cluster features in reactions and nuclear structure; weak processes in nuclei; astrophysical aspects of nuclear studies.

INTERNATIONAL ADVISORY COMMITTEE:

A. Bracco (Milano)	J. Kvasil (Prague)
D. Bonatsos (Athens)	H. Lenske (Giessen)
A. Covello (Napoli)	J. Meng (Beijing)
J. Cseh (Debrecen)	N. Pietrala (Darmstadt)
J. Dobes (Rez)	E.E. Saperstein (Moscow)
M. Fujiwara (Osaka)	A. Sobczewski (Warsaw)
S. Galan (GANIL)	G. Stancu (Sofia)

CONTACT INFORMATION:

Prof's. R. Jolos, V. Voronov
 Bogoliubov Laboratory of Theoretical Physics

Research region, RUSSIA
 jinr.ru
 jinr.ru/nsrt12



DUBNA International Conference
NANO conference
2012
DUBNA-NANO2012



July 9-14, 2012 • Dubna, Russia



AGREEMENTS

- BLTP – ICTP (since '88)
1.5 month per year
- BLTP – Germany (since '91)
Heisenberg–Landau Program
- BLTP – INFN (since XII '95)
6 month visits to Italy
- BLTP – CERN-TH (since XII '95)
3 month visits to CERN
- BLTP – Poland (since XII '98)
Bogoliubov–Infeld Program
- BLTP – Czechia (since XII '99)
Blokhintsev –Votruba Program
- BLTP – Romania (since XII '03)
Titeica – Markov Program

- BLTP-APCTP, Pohang (since'07)
- BLTP-Bulgaria (since'09)
Soloviev-Khristov Program
- BLTP-ITP CAS, China (since VII '10)
- BLTP and IOP VAST, Vietnam (since VIII '11)
- BLTP - Physical Inst., NAS, Armenia (since 2009)



DUBNA

JINR

BLTP

Welcome!

