

8.1. STRUCTURE OF LABORATORY AND SCIENTIFIC DEPARTMENTS

Directorate:

Director:
V.L.Aksenov
Deputy Directors:
A.V.Belushkin
W.I.Furman
Scientific Secretary:
V.V.Sikolenko

Reactor and Technical Departments

Chief engineer: V.D.Ananiev

IBR-2 reactor

Chief engineer: A.V.Vinogradov

IBR-30 booster + LUE-40

Head: S.A.Kvasnikov

Mechanical maintenance division

Head: A.A.Belyakov

Electrical engineering department

Head: V.P.Popov

Design bureau

Head: V.I.Konstantinov

Experimental workshops

Head: A.N.Kuznetsov

Scientific Departments and Sectors

Condensed matter department

Head: V.L.Aksenov

Nuclear physics department

Head: V.N.Shvetsov

Department of IBR-2 spectrometers complex

Head: A.V.Belushkin

Department of IREN

Head: A.P.Sumbaev

Nuclear Safety and applied research

Head: E.P.Shabalin

Administrative Services

Deputy Director: S.V.Kozenkov
Secretariat
Finances
Personnel

Scientific Secretary Group

Translation
Graphics
Photography
Artwork

CONDENSED MATTER DEPARTMENT

Sub-Division	Title	Head
Diffraction sector. Head: A.M.Balagurov		
Group No.1	HRFD	V.Yu.Pomjakushin
Group No.2	DN-2	A.I.Beskrovnyi
Group No.3	DN-12	B.N.Savenko
Group No.4	NSVR	K.Ullemeyer
Small-angle neutron scattering group. Head: V.I.Gordeliy		
Neutron optics sector. Head: V.L.Aksenov		
Group No.1	SPN-1	Yu.V.Nikitenko
Group No.2	REFLEX	D.A.Korneev
Inelastic scattering group. Head: I.Natkaniec		

NUCLEAR PHYSICS DEPARTMENT

Sub-Division	Title	Head
Group No.1	Polarized neutrons and nuclei	Yu.D.Mareev
Group No.1	Neutron spectroscopy	A.B.Popov
Group No.3	Nuclear fission	Sh.S.Zeinalov
Group No.4	Thermal polarized neutrons	M.I.Tsulaya
Group No.5	Proton and α -decay	Yu.M.Gledenov
Group No.6	Properties of γ -quanta	A.M.Sukhovoy
Group No.7	Neutron structure	G.S.Samosvat
Group No.8	Ultra-cold neutrons	V.N.Shvetsov
Group No.9	Neutron optics	A.I.Frank
Group No.10	Neutron activation analysis	M.V.Frontasyeva
Group No.11	Theory	Yu.A.Alexandrov

DEPARTMENT OF IBR-2 SPECTROMETERS COMPLEX

Sub-Division	Title	Head
Sector No.1	Electronics	V.I.Prikhodko
Group No.1	Analogous electronics	A.A.Bogdzal
Group No.2	Digital electronics	V.F.Levchanovsky
Group No.3	Software	A.S.Kirilov
Group No.4	Local networks	G.A.Sukhomlinov
Group No.5	Technology	A.B.Melnichuk
Sector No.2	Spectrometers	V.V.Zhuravlev
Group No.1	Development	G.A.Varenik
Group No.2	Samples environment	A.P.Sirotin
Group No.3	Detectors	J.Sokolovsky

8.2. USER POLICY

The IBR-2 reactor usually operates 10 cycles a year (2500 hrs.) to serve the experimental programme. A cycle is established as of 2 weeks of operation for users, followed by a one week period for maintenance and machine development. There is a long shut-down period between the end of June and the middle of October.

All experimental facilities of IBR-2 are open to the general scientific community. The User Guide for neutron experimental facilities at FLNP is available by request from the Laboratory's Scientific Secretary.

Condensed matter studies at IBR-2 have undergone some changes in accordance with the experience gained during the last several years. It was found to be necessary to establish specialized selection committees formed of independent experts in their corresponding fields of scientific activities. The following four committees were organized:

1. <u>Diffraction</u> <i>Chairman - V.A.Somenkov - Russia</i>	3. <u>Neutron optics</u> <i>Chairman - A.I.Okorokov - Russia</i>
2. <u>Inelastic scattering</u> <i>Chairman - W.Nawrocik - Poland</i>	4. <u>Small angle scattering</u> <i>Chairman - L.Cser - Hungary</i>

Dr. Ekaterina V.Raspopina is responsible for the user policy. Deadline for proposal submission is May 16.

The IBR-2 beam schedules are drawn up by the head of the Condensed Matter Department together with instruments responsible on the basis of experts recommendations and are approved by the FLNP Director or Deputy Director for condensed matter physics. The schedules are sent to Chairmen of Selection Committees.

After the completion of experiments, "Experimental Report" forms are filled out by experimenter(s) and submitted to the Scientific Secretary.

The Application Form and other information about FLNP are available by WWW: <http://nfdfn.jinr.ru/~sikolen/usepol.html>

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8.3. MEETINGS AND CONFERENCES

In 2000, FLNP organized the following meetings:

1.	VIII International Seminar on Interaction of Neutrons with Nuclei (ISINN-7)	May 11-14	Dubna
2.	III International Seminar «Ferroelectrics-relaxors»	June 23-26	Dubna

In 2001, FLNP will organize the following meetings:

1.	IX International Seminar on Interaction of Neutrons with Nuclei (ISINN-9)	May 17-20	Dubna
2.	School on Neutron Scattering and Synchrotron Radiation	March 19 - April 27	Dubna
3.	IBR-2 in XXI century	May 25	Dubna

8.4. COOPERATION

List of Visitors from Non-Member States of JINR in 2000

Name	Organization	Country	Dates
R.Machrafi	Univ.Mohamed V.Rabat	Morocco	01.01-25.08
D.Protopopescu	Univ. of New Hampshire, Durham	USA	01.01-27.01
Zhang Zhaohui	IHEP, Beijing	China	01.01-28.01
O.Nikonov	ILL, Grenoble	France	09.01-28.01
V.Lauter	ILL, Grenoble	France	12.01.27.01
H.-J.Lauter	ILL, Grenoble	France	16.01-21.01
M.Jung	TU, Darmstadt	Germany	16.01-27.01
T.Wieder	TU, Darmstadt	Germany	19.01-23.01
V.V.Nesvizhevsky	ILL, Grenoble	France	23.01-28.01
Hany Ahmed Abdel Meguid Amer	NCNSRC, Cairo	Egypt	31.01-06.02
B. Titze-Jaensch	FRZ, Juelich	Germany	04.02-09.02
H.Wagner	FRZ, Juelich	Germany	07.02-09.02
M.Stalder	IfzP, Dresden	Germany	24.02-09.03
Fawzi Ibrahim Ali Asfour	NRC, AEA, Cairo	Egypt	24.02-24.05
A.Bogdan	Univ. of Helsinki	Finland	18.03-23.03
R.K.Heenan	Rutherford Appleton Laboratory	UK	07.04-17.04
F.Haussler	Leipzig University	Germany	08.04-14.04
P.Joerzel	Leipzig University	Germany	10.04-16.04
V.Lauter	ILL, Grenoble	France	13.04-22.04
K.Bramnik	TU, Darmstadt	Germany	14.04-19.04
K.Mishima	RRI, Kyoto Univ.	Japan	16.04-18.04
K.Kobayashi	RRI, Kyoto Univ.	Japan	16.04-18.04
H.-J.Lauter	ILL, Grenoble	France	16.04-20.04
M.Stalder	IfzP, Dresden	Germany	14.05-30.05
O.Steinsvol	Inst. for Energy Technology, Kjeller	Norway	14.05-26.05
A.-T.Skjeltorp	Inst. for Energy Technology, Kjeller	Norway	19.05-26.05
I.-A.Skjeltorp	Inst. for Energy Technology, Kjeller	Norway	19.05-26.05
Gou Cheng	Inst. of Atomic Energy,	China	06.06-09.06

	Beijing		
Yang Tonghua	Inst. of Atomic Energy, Beijing	China	06.06-09.06
Ye Chuntang	Inst. of Atomic Energy, Beijing	China	06.06-09.06
O.Nikonov	ILL, Grenoble	France	18.06-29.06
V.Lauter	ILL, Grenoble	France	18.06-29.06
H.-J.Lauter	ILL, Grenoble	France	18.06-29.06
E.T.Knijnenburg	TU, Delft	The Netherlands	21.06-21.06
H.T.Wolterbeek	TU, Delft	The Netherlands	21.06-21.06
T.I. Van der Meer	TU, Delft	The Netherlands	21.06-21.06
A.J. Van der Meer	TU, Delft	The Netherlands	21.06-21.06
M.Hoelzel	GSI, Darmstadt	Germany	19.07-29.07
M.Rudalics	University of Linz	Austria	30.07-09.09
K.Walther	GeoFRZ, Potsdam	Germany	10.08-18.08
A.Tressaud	ICMCB-CNRS, Pessac	France	14.09-17.09
A.Bulou	Lab. De Phys. de l'ETAT Cond., Le Mans	France	14.09-17.09
R.B.Lahoz	Ins. Ciencia de Materiales, Zaragoza	Spain	14.09-17.09
E.Steinnes	Univ. of Trondheim	Norway	30.09-03.10
Zhang Zhaohui	IHEP, Beijing	China	02.10-16.10
R.E. El-Din	NRC, AEA, Cairo	Egypt	02.10-10.10
R.Tamm	TU, Dresden	Germany	22.10-10.11
Medhat Moustafa El-Sayed	NRC, AEA, Cairo	Egypt	30.10-01.01
Abdel Rasik Hussein	NRC, AEA, Cairo	Egypt	08.11-14.11
Mohey Mahomud	NRC, AEA, Cairo	Egypt	08.11-14.11
G.Klose	Leipzig Univ.	Germany	08.11-16.11
V.Lauter	ILL, Grenoble	France	08.11-21.11
H.-J.Lauter	ILL, Grenoble	France	11.11-14.11
J.Schreiber	IfzP, Dresden	Germany	12.11-25.11
Adnan Hafez Murbut	University of Bagdad	Iraq	17.11-17.11
P.Pal	TU, Berlin	Germany	17.11-17.11
F.Haussler	Leipzig Univ.	Germany	19.11-22.11
U.Dallborg	Leipzig Univ.	Germany	19.11-22.11
W.Gudowski	Royal Inst. of Technol., Stockholm	Sweden	23.11-24.11
Gyinyun Kim	Pohang Univ. of Science & Technol.	Korea	03.12-13.12
Dae Won Lee	Pusan National University	Korea	03.12-13.12
Youn Soo Kang	Pusan National Univ.	Korea	03.12-23.12
H.Groeger	Goettingen Univ.	Germany	03.12-17.12
T.Straessle	PSI, Villigen	Switzerland	04.12-11.12
P.Joerzel	Leipzig Univ.	Germany	06.12-10.12
B.Kalska	Uppsala Univ.	Sweden	07.12-13.12
J.Watanabe	RIKEN, Tokyo	Japan	10.12-24.12

8.5. EDUCATION

The objective of the FLNP educational program is the training of specialists in the field of neutron methods for condensed matter and nuclear physics research. In the year 2000 in Moscow State University named after M.V.Lomonosov the neutron diffraction department opened and it is a basic department for FLNP. In addition to the students of this department, the students of the MSU Interfaculty Center «Structure of Matter and New Materials» carry out their diploma work in FLNP. In the Center the students from the Chemical Faculty of MSU, Higher College of Materials Sciences under MSU, Tula State University, Tula Pedagogical University, Tver State University and other universities of Russia and JINR member-states do the course. A total of 14 students and 8 post-graduates took the course in the year 2000. The reported year saw the eighth graduation of students.

In the year 2000, the First Spring School on Neutron Scattering for Condensed Matter Research was organized by FLNP in cooperation with MSU. The participants listened to the lectures by eminent scientists and did a series of practical works at the IBR-2 reactor and other JINR facilities under the guidance of FLNP specialists. It is planned to hold the school annually.

8.6. PERSONNEL

Distribution of the Personnel per Department as of 01.01.2001

Theme	Departments	Main staff
-0974-	Nuclear Physics Department	58
-1031-	Condensed Matter Physics Department	45
-1012-	IBR-2 Spectrometers Complex Department	50
-0993-	IREN Department	28
-1007-	Nuclear Safety Sector	14
-0851-	IBR-2 Department	51
	Mechanical and Technical Department	61
	Electric and Technical Department	34
	Central Experimental Workshops	39
	Design Bureau	8
	<u>FLNP infrastructure:</u>	
	Directorate	6
	Services and Management Department	18
	Scientific Secretary Group	7
	Staff Management Group	5.5
	Supplies Group	3
Total		428.5

Personnel of the Directorate as of 01.01.2001

Country	People
Azerbaijan	1
Armenia	1
Bulgaria	4
Egypt	1
Germany	4
Georgia	2
Iraq	1
Kazakhstan	1
Morocco	1
Mongolia	3
Poland	6
Romania	3
Russia	21
Ukraine	2
TOTAL	51

8.7. FINANCE

Financing of the FLNP Scientific Research Plan in 2000 (th. USD)

No.	Theme	Financing plan, \$ th.	Expenditures for 12 months, \$ th.	In % of FLNP budget
I	Condensed matter physics	4054.2	1917.0	47.3
	-1031-	2468.9	1450.4	58.7
	-0851-	959.9	236.3	24.6
	-1012-	625.4	230.3	36.8
II	Neutron nuclear physics	1117.7	694.4	62.1
	-0974-	618.2	340.2	55.0
	-0993-	499.5	354.2	70.9
III	Elementary particle physics			
	-1007-	6.1	21.6	354.1
IV	Relativistic nuclear physics			
	-1008-	41.5	6.7	16.1
V	TOTAL:	5219.5	2639.7	50.6