

8. ORGANIZATION AND USER INTERACTION

8.1. STRUCTURE OF LABORATORY AND SCIENTIFIC DEPARTMENTS

Directorate:

Director:
A.V.Belushkin
Deputy Directors:
N.Popa
V.N.Shvetsov
Scientific Secretary:
V.V.Sikolenko

Reactor and Technical Departments

Chief engineer: V.D.Ananiev

IBR-2 reactor

Chief engineer: A.V.Vinogradov

Department of IREN

Head: V.G.Pyataev

IBR-30 booster + LUE-40 Group

Head: S.A.Kvasnikov

Mechanical maintenance division

Head: A.A.Belyakov

Electrical engineering department

Head: V.P.Popov

Design bureau

Head: A.A.Kustov

Experimental workshops

Head: A.N.Kuznetsov

Scientific Departments and Sectors

Condensed matter department

Head: V.L.Aksenov

Nuclear physics department

Head: Yu.N.Kopatch

Department of IBR-2 spectrometers complex

Head: A.V.Belushkin

Nuclear Safety and applied research sector

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	A.N.Nikitin
Group No.5	SKAT	Ch.Scheffzük
Small-angle neutron scattering group. Head: V.I.Gordeliy		
Neutron optics sector. Head: V.L.Aksenov		
Group No.1	REMUR	Yu.V.Nikitenko
Group No.2	REFLEX	V.I.Bodnarchuk
Inelastic scattering group. Head: I.Natkaniec		
Biophysics investigations group. Head: I.N.Serdyuk		

NUCLEAR PHYSICS DEPARTMENT

Sub-Division	Title	Head
Sector 1. Correlation γ-spectroscopy and development of experimental installations. Head: N.A.Gundorin		
Sector 2. Polarized neutrons and nuclei. Head: Yu.D.Mareev		
Group No.1	Polarized nuclear targets	Yu.D.Mareev
Group No.2	Thermal polarized neutrons	M.I.Tsulaya
Sector 3. Neutron activation analysis. Head: M.V.Frontasyeva		
Group No.1	Analytical	M.V.Frontasyeva
Group No.2	Experimental	S.S.Pavlov
Group No.1	Neutron spectroscopy	Yu.N.Kopatch
Group No.2	Nuclear fission	Sh.S.Zeinalov
Group No.3	Proton and α-decay	Yu.M.Gledenov
Group No.4	Properties of γ-quanta	A.M.Sukhovoy
Group No.5	Neutron structure	V.G.Nikolenko
Group No.6	Ultra-cold neutrons	A.V.Strelkov
Group No.7	Neutron optics	A.I.Frank
Group No.8	Theory	V.K.Ignatovich
Group No.9	Electrostatic generator-5	I.A.Chepurchenko

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	A.P.Sirotin
Group No.1	Development	G.A.Varenik
Group No.2	Samples environment	A.P.Sirotin
Group	Detectors	E.S.Kuzmin

8.2. USER POLICY

The IBR-2 reactor usually operates 8 cycles a year (2000 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>

Deputy Director, Dr. Nikolae Popa 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/>

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8.3. MEETINGS AND CONFERENCES

In 2002, FLNP organized the following meetings:

1.	X International Seminar on Interaction of Neutrons with Nuclei (ISINN-10)	May 22-25	Dubna
2.	JINR-Romanian Workshop on Advanced Materials	March 18-22	Dubna
3.	II Workshop on Investigations at the IBR-2 Reactor	June 17-19	Dubna

In 2003, FLNP will organize the following meetings:

1.	XI International Seminar on Interaction of Neutrons with Nuclei (ISINN-11)	May 27-31	Dubna
2.	XII International Conference on Selected Problems of Modern Physics	June 8-11	Dubna
3.	International Meeting dedicated to the 95th Anniversary of Nobel Prize Winner I.M.Frank	October 23-24	Dubna

8.4. COOPERATION

List of Visitors from Non-Member States of JINR in 2002

Name	Organization	Country	Dates
G.Pepy	LLB, Saclay	France	09.01-18.01
V.Lauter	ILL, Grenoble	France	14.01-26.01
H.-J.Lauter	ILL, Grenoble	France	17.01-26.01
T.Strassle	PSI, Villigen	Switzerland	17.01-26.01
M.M.El-Saied	NRC, AEA, Cairo	Egypt	22.01-24.01
K.Walther	GeoFRZ, Potsdam	Germany	28.01-23.02
V.Gavrilov	IPE, Riga	Latvia	02.02-11.02
E.Raitman	IPE, Riga	Latvia	02.02-11.02
R.Wang	Univ. Leipzig	Germany	13.02-20.02
I.-J.Veriken	Univ. Utrecht	The Netherlands	17.02-03.03
V.V.Chupin	Univ. Utrecht	The Netherlands	17.02-03.03
A.Skomorokhov	TU Darmstadt	Germany	12.03-19.03
J.Schreiber	IfzP Dresden	Germany	01.04-17.04
M.Hoelzel	GSI, Darmstadt	Germany	07.04-19.04
S.Danilkin	HMI, Berlin	Germany	07.04-13.04
P.-J.Holl	Univ. Strathclyde, Glasgow	UK	07.04-20.04
A.Podlesnyak	PSI, Villigen	Switzerland	08.04-11.04
V.Rajevac	PSI, Villigen	Switzerland	08.04-11.04
A.Skomorokhov	TU Darmstadt	Germany	11.04-20.04
V.Lauter	ILL, Grenoble	France	15.04-27.04
M.Rekveltdt	TU Delft	The Netherlands	17.04-21.04
H.-J.Lauter	ILL, Grenoble	France	18.04-27.04
H.-P.Soltner	FZ, Juelich	Germany	24.04-29.04
N.Aras	Univ. Bahcesehir	Turkey	05.05-05.05
A.Gabriel	EMBL, Grenoble	France	20.05-30.05
O.Steinsvoll	Inst. for Energy Technology, Kjeller	Norway	20.05-24.05
M.Stalder	Univ. Kiel	Germany	08.06-30.06
V.Gavrilov	IPE, Riga	Latvia	15.06-21.06
E.Raitman	IPE, Riga	Latvia	15.06-21.06
V.Lauter	ILL, Grenoble	France	17.06-28.06
H.-J.Lauter	ILL, Grenoble	France	17.06-28.06
M.Rudalics	Univ. Linz	Austria	18.07-29.08

H.-J.Lauter	ILL, Grenoble	France	17.06-28.06
M.Rudalics	Univ. Linz	Austria	18.07-29.08
L.Baradovski	Univ. Saints Cyril &Methodius, Skopje	Makedonia	04.08-18.08
M.Kern	Univ. Kiel	Germany	15.08.31.08
A.Zizzari	Univ. Magdeburg	Germany	31.08-15.09
H.Krell	Univ. Magdeburg	Germany	31.08-07.09
G.Mitchell	North Carolina State Univ.	USA	14.09-15.09
A.Frischbutter	GeoFRZ, Potsdam	Germany	15.10-22.10
K.Walther	GeoFRZ, Potsdam	Germany	15.10-02.11
P.Cennini	CERN, Geneve	Switzerland	23.10.27.10
Jung Keun Ahn	Pusan Nat.Univ.	Rep. Korea	10.11-15.11
H.-J.Lauter	ILL, Grenoble	France	10.11-21.11
V.Lauter	ILL, Grenoble	France	10.11-23.11
E.Raitman	IPE, Riga	Latvia	10.11-24.11
Kim Guinyun	Kyungpook National University, Taegu	Rep. Korea	13.11-16.11
Youn Soo Kang	Pusan Nat. Univ.	Rep. Korea	13.11-17.12
A.Frischbutter	GeoFRZ, Potsdam	Germany	19.11-25.11
L.Baradovski	Univ. Saints Cyril &Methodius, Skopje	Makedonia	01.12-25.02.03
E.Kravtsov	Univ. Bohum	Germany	01.12-14.12
K.Bramnik	TU, Darmstadt	Germany	02.12-05.12
R.Wang	Univ. Leipzig	Germany	09.12-16.12

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 2002 in Moscow State University named after M.V.Lomonosov the neutron diffraction division as a part of physics department was 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 Univesity and other universities of Russia and JINR member-states do the course.

In the year 2002, the traditional annual 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.

8.6. PERSONNEL

Distribution of the Personnel per Department as of 15.01.2003

Theme	Departments	Main staff
-0974-	Nuclear Physics Department	58
-1031-	Condensed Matter Physics Department	43
-1012-	IBR-2 Spectrometers Complex Department	47
-0993-	IREN Department	13
-1007-	Nuclear Safety Sector	12
-0851-	IBR-2 Department	48
	Mechanical and Technical Department	49
	Electric and Technical Department	31
	Central Experimental Workshops	37
	Design Bureau	8
	<u>FLNP infrastructure:</u>	
	Directorate	6
	Services and Management Department	22
	Scientific Secretary Group	5
	Supplies Group	5
Total		386

Personnel of the Directorate as of 01.01.2003

Country	People
Armenia	2
Bulgaria	3
Germany	3
Georgia	2
Macedonia	1
Mongolia	1
Poland	6
Romania	6
Russia	29
Ukraine	2
TOTAL	55

8.7. FINANCE

Financing of the FLNP Scientific Research Plan in 2002 (th. USD)

No.	Theme	Financing plan, \$ th.	Expenditures for 12 months, \$ th.	In % of FLNP budget
I	Condensed matter physics	4012.3	3155.3	78.6
	-1031-	2368.7	1461.3	61.7
	-0851-	937.6	1346.7	143.6
	-1012-	706.0	347.3	49.2
II	Neutron nuclear physics	1057.1	881.3	83.4
	-1036-	622.7	462.0	74.2
	-0993-	434.4	419.3	96.5
III	Elementary particle physics			
	-1007-	6.0	10.9	181.7
IV	Relativistic nuclear physics			
	-1008-	40.5	9.8	24.2
V	TOTAL:	5115.9	4057.3	79.3