8. ORGANIZATION AND USER INTERACTION

8.1. STRUCTURE OF LABORATORY AND SCIENTIFIC DEPARTMENTS

Directorate:	
Director	*A.V. Belushkin*
Deputy Director	*V.N. Shvetsov*
Deputy Director	*Deleg Sangaa*
Deputy Director	*S.V. Kozenkov*
Chief engineer:	*A.V. Vinogradov*
Scientific Secretary	*O.A. Culicov*
Laboratory Scientific Leader	*V.L. Aksenov*
Advisor to Directorate	*V.D. Ananiev*

Reactor and Technical Departments	**Head**
IBR-2 reactor	Chief engineer: *A.V.Dolgikh*
Mechanical maintenance division	*A.A.Belyakov*
Electrical engineering department	*V.A.Trepalin*
Design bureau	*A.A.Kustov*
Experimental workshops	*A.N.Kuznetsov*

Scientific Departments and Sectors	**Head**
Department of neutron investigation of condensed matter	*D.P. Kozlenko*
Nuclear physics department	*V.N. Shvetsov*
Department of IBR-2 spectrometers complex	*S.A. Kulikov*

Administrative Services
Secretariat
Finances
Personnel

Scientific Secretary Group
Secretariat
Translation
Graphics

DEPARTMENT OF NEUTRON INVESTIGATION OF CONDENSED MATTER

Sub-Division	Title	Head
Sector 1: Neutron Diffraction. Head: *A.M. Balagurov*		
Group No.1	HRFD	*A.M. Balagurov*
Group No.2	DN-2	*A.I. Beskrovnyi*
Group No.3	DN-12	*B.N. Savenko*
Group No.4	Geomaterials	*A.N. Nikitin*
Group No.5	SKAT /Epsilon	*Ch. Scheffzük*
Sector 2: Neutron Optics. Head: *M.V. Avdeev*		
Group No.1	Physics of Surfaces	*Yu.V. Nikitenko*
Group No.2	Physics of Nanostructures	*M.V. Avdeev*
Small angle scattering group		*A.I. Kuklin*
Inelastic scattering group		*I.Natkaniec*

NUCLEAR PHYSICS DEPARTMENT

Sub-Division	Title	Head
Sector 1. Correlation γ-spectroscopy and development of experimental installations. Head: *N.A.Gundorin*		
Sector 2. Investigation of neutron properties. Head: *Ye.V. Lychagin*		
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.4	**Fission**	*Yu.N. Kopatch*
Group No.5	**Proton and α-decay**	*Yu.M. Gledenov*
Group No.6	**Polarized neutrons and nuclei**	*V. P. Skoy*

DEPARTMENT OF IBR-2 SPECTROMETERS COMPLEX

Sub-Division	Title	Head
Group No.1	Detectors	*A.V. Churakov*
Group No.2	Electronics	*A.A. Bogdzel*
Group No.3	Information technologies	*A.S. Kirilov*
Group No.4	Sample environment and choppers	*A.P. Sirotin*
Group No.5	Cryogenic investigations	*A.N. Chernikov*
Group No.6	Methodical developments	-
Group No.7	Cold moderators	*S.A. Kulikov*

8.2. MEETINGS AND CONFERENCES

In 2010, FLNP organized the following meetings:

- *18th International Seminar on Interaction of Neutrons with Nuclei: "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics", May 26-29.*
- *Anniversary Workshop "50 years from the IBR reactor's startup", June 23.*
- *III Higher Courses of CIS for young scientists, post-graduate and graduate students on advanced methods of research in nanosystems and materials "Synchrotron and Neutron Investigations of Nanosystems (SYN-nano-2009), July 04-17.*
- *II All-Russian Scientific School for Young Scientists and Students "Modern Neutron Diffraction Studies: Interdisciplinary Research of Nanosystems and Materials", October 25 – November 02.*
- *All-Russian Scientific School for Young Scientists and Students "Instruments and Methods of Experimental Nuclear Physics. Electronics and Automatics of Experimental Facilities", November 11-13.*

In the year 2011, FLNP will organize:

- *19th International Seminar on Interaction of Neutrons with Nuclei: "Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics".*
- *IV Higher Courses of CIS for young scientists, post-graduate and graduate students on advanced methods of research in nanosystems and materials "Synchrotron and Neutron Investigations of Nanosystems (SYN-nano-2011)" (if a grant of the Intergovernmental Foundation for Educational, Scientific and Cultural Cooperation of the CIS (IFESCCO) is available).*
- *IV All-Russian Scientific School for Young Scientists and Students "Modern Neutron Diffraction Studies: Interdisciplinary Research of Nanosystems and Materials" (if a grant of the Russian Ministry of Education and Science is available).*
- *II All-Russian Scientific School for Young Scientists and Students "Instruments and Methods of Experimental Nuclear Physics. Electronics and Automatics of Experimental Facilities" (if a grant of the Russian Ministry of Education and Science is available).*
- *International Conference "Stress and Texture Investigations by Means of Neutron Diffraction".*
- *User Meeting of the YuMO small-angle neutron scattering spectrometer dedicated to the 75th anniversary of the birth of Yu.M.Ostanevich.*
- *3rd Joint seminar-school JINR-Romania on neutron physics for investigations of nuclei, condensed matter and life sciences.*

8.3. 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 and in the field of electronics and automatics of experimental installations. More then 20 students from different Russian universities performed their term and diploma works in FLNP during the 2010.

The FLNP successfully collaborated with the JINR University Centre in organization of summer practical work for students from JINR Member States (Czech Republic, Slovakia, Romania, Poland) and Associated countries (Egypt, South Africa). Lessons and excursions at FLNP facilities for teachers of physics from Russia and JINR Member States were organized, too.

Three above mentioned scientific schools for advanced training of young scientists were organized in the Frank Laboratory of Neutron Physics in 2010. Participants the Schools had ample opportunity to establish new scientific contacts with other researchers to enrich their experimental ideas with new research methods. During the guided excursion to the IBR-2 high-flux pulsed reactor, the participants became familiar with this unique facility and the variety of neutron-scattering investigations carried out at FLNP. The Schools were not confined only to the lectures and practical laboratory work. The participants were encouraged to present their own investigations in poster sessions and short oral presentations.

These Schools continued the tradition of the FLNP Schools for young scientists devoted to the fundamental and applied aspects of neutron research in the fields of condensed-matter physics, materials science and related topics.

8.4. COOPERATION

List of Visitors from Member States of JINR and from Non-Member States of JINR in 2010

From Member States of JINR		From Non-Member States of JINR	
Country	**Nr of visitors**	**Country**	**Nr of visitors**
Azerbaijan	2	Germany	13
Bulgaria	2	Latvia	1
Czech Rep.	10	India	1
Mongolia	2	Slovenia	3
Poland	9	Hungary	1
Romania	7	Great Britain	1
Rep. of Korea	4	USA	2
Ukraine	5		

8.5. FINANCE

Financing of the FLNP Scientific Research Plan in 2010

No.	Theme	Financing plan, $ th.	Expenditures For 12 months, $ th.	In % of planned budget
I	**Condensed matter physics**	9430.0	10575.2	112.1
	-1069-	2410.4	2085.5	86.5
	-0851-	5564.2	6991.1	125.6
	-1075-	1455.4	1798.6	123.6
II	**Neutron nuclear physics**	2135.5	2118.6	99.2
	-1036-	2135.5	2118.6	99.2
	TOTAL:	**11565.5**	**12993.8**	**112.3**

8.6. PERSONNEL

Distribution of the Personnel per Department as of 31.12.2010

Theme	Departments	People
-1104-	Nuclear Physics Department and IREN Department	84
-1069-	Department of neutron investigation of condensed matter	74
-1075-	Department of IBR-2 spectrometers complex	41
-0851-	IBR-2 reactor	51
	Mechanical and Technical Department Electric and Technical Department Central Experimental Workshops Nuclear Safety Group Design Bureau	48 28 38 6 6
	FLNP infrastructure: Directorate Services and Management Department Scientific Secretary Group Supplies Group	 10 22 5 4
Total		**416**

Personnel from the JINR Member States (besides the RF) as of 31.12.2010

Country	People	of which young specialists (<35 years)	Country	People	of which young specialists (<35 years)
Azerbaijan	4	4	Mongolia	4	2
Bulgaria	3	1	Poland	5	
China	1		Romania	6	2
DPRK	2		Ukraine	7	6
Georgia	2		Uzbekistan	1	1
Germany	2				
Moldavia	2	2	**TOTAL**	**39**	**18**