

**Совещание  
по научному сотрудничеству  
ОИЯИ с физическими центрами ФРГ**

(Дубна, 13—14 декабря 1992 года)

**Сборник аннотаций**

**Workshop  
on Scientific Cooperation between  
FRG Research Centres and JINR**

(Dubna, December 13—14, 1992)

**Abstracts**

## INFORMATION ON THE DUBNA TRAINING CENTRE

Professor A.SISSAKIAN, Vice-Director

We would like to inform you that the Dubna Training Centre of the Joint Institute for Nuclear Research started to operate on January 1, 1991. It is based on several Chairs Of Moscow State University and Moscow Physical Engineering Institute. The Centre grounds upon the Branch of Moscow University established at Dubna in 1961. The Branch of Moscow University at Dubna has much experience in individual training of high-level professionals. The students body of the Centre is composed of students from facilities. The Centre is supported by Kurchatov Institute of Atomic Energy (Moscow).

The Centre offers the following full-time courses:

Nuclear physics

Particle Physics

Nuclear Methods in condensed matter physics and high temperature superconductivity

Radiobiology Accelerator physics

English and Russian as a second language

Our Centre is affiliated with the International Institute for Nuclear Research providing assistance in training. To strengthen ties between educational and scientific institutions, to encourage cooperation between them in the fields of mutual interest and especially when the level of knowledge and resources demand the unified international efforts, we are interested in direct contacts with your University. The Centre admits students of the last two years of study. Students at the Centre attend lectures given by the leading scientists of JINR, Moscow University, Moscow Physical Engineering Institute and have scientific practice at the JINR Laboratories working at experimental facilities such as proton and heavy ion accelerators, a neutron pulsed reactor and a computer centre.

The full-time educational of the Dubna Centre is two years. It is quite possible to admit students for shorter periods including one or two months of intense courses on some selected topics. The working language for foreign students is English.

Post-graduate students are also admitted to attend lectures on selected topics and take part in scientific researches at the JINR laboratories.

It is expected that other full-time courses will be included:  
Ecology and methods of analyzing environment  
Electronics

The following list of lectures will be given in English at the Dubna Training Centre of the Joint Institute for Nuclear Research:

Theory of electroweak interactions  
Some topics of quantum electrodynamics  
Quantum theory of scattering  
Some topics of nuclear reactions and theory of nuclei  
Condensed matter physics  
Modern methods of particle detection  
Accelerator technique

The list is not complete and we meet the proposals of Universities intending to send their students to the Dubna Training Centre. The duration of the proposed courses could be from 2 weeks to 2 months.

By 1993 there is planned to realize the special program of the following: radiation safety, medical and ecological problems, conceived for senior students and young scientists (postgraduated students).