

**SIXTH MOSCOW SCHOOL OF PHYSICS
(XXXI ITEP WINTER SCHOOL OF PHYSICS)**

February 18 - 26, 2003

BULLETIN No.1

The XXXI ITEP Winter School of Physics is scheduled for February 18-26, 2003 and will be held in a hotel situated in a picturesque place near Moscow.

ITEP Winter School of Physics has a long tradition starting from the year 1973. The School attracts many listeners from leading research centers and universities of Russia. High level of sessions is ensured by invitation of eminent lecturers known in the international scientific community for their research activity in particular areas. School program is aimed at advanced undergraduate and graduate students and post docs who work or plan to work in particle physics.

Since 1994 the ITEP Winter School of Physics became international. Having regard to the importance of the School, Moscow Government Premier has given the ITEP Winter School of Physics a status of the Moscow School. Moscow Government became a General Sponsor of the Moscow School of Physics since 1998.

School Proceedings were published in Russian and are very popular inside the countries of the Former Soviet Union. Since 1992 Taylor & Francis (former Gordon & Breach) published the Proceedings of the School in English.

A detailed program will be distributed later.

It is planned to have two or three lectures in each half day session. For those participants who wish to present their scientific activity time will be given to make small (about 20 min.) reports. The School working language is English. All lectures and selected reports will be published in the Proceedings of the XXXI ITEP Winter School which will be distributed among participants. Mid-day hours will be free for rest, cross country skiing and other sports. One free day and several post school days will be reserved for excursions in Moscow museums, theaters and sightseeing tours in and around Moscow. During post school days the accommodation in the ITEP hotel in Moscow will be available for participants from other cities.

The School fee amounts to \$ 490. The sum covers all living expenses during the School. There are some limited funds to support participants from Russia and FSU.

The number of participants will be limited to 100.

All correspondence and requests for further information concerning the School should be sent to Dr. Andrei Krokhotine, secretary of the Organizing Committee

tel. +7(095) 123 - 31 - 95
fax. +7(095) 883 - 95 - 92
E-mail ws2003@itep.ru
WWW http://www.itep.ru/ws2003
post address* Institute of Theoretical and Experimental Physics (ITEP),
 B.Chernomushkinskaya ul. 25, 117259 Moscow, Russia.

* Please do not use ordinary mail. For quick communications take advantages of e-mail or fax.

Head of the School: Michael Danilov.

Organizing Committee:

M.Danilov, A.Golutvin, E.Ilyina, A.Kaidalov, D.Kazakov, V.Khovansky, Yu.Kiselev, A.Krokhotine, G.Leksin, V.Novikov, A.Novikov, L.Okun, V.Pomelov, A.Rostovtsev, V.Russinov, D.Svirida, M.Vysotsky

The School Program covers among others the following topics:

- * *Heavy Quarks and CP-violation*
- * *Heavy Ion Collisions*
- * *News in Neutrino Physics*
- * *Branes and Extra Dimensions*
- * *Hot Topics in Cosmology and Astrophysics*
- * *Confinement and Lattice*

Preliminary list of speakers and tentative titles

A.Bondar	"CP-violation in B-mesons"
M.Chernodub	"New results on a lattice"
A.Drutskey	"The rare decays of B-mesons and Standard Model"
J.-M.Frere	"Physics from Extra Dimensions"
C.Froggatt	"The Origin of Mass"
B.Kayser	"Neutrino Physics"
I.Khriplovich	"Black Holes Entropy"
M.Maggiore	"Gravitational Waves"
L.McLerran	"Physics at RHIC"
A.Melchiorri	"CMBR anisotropy"
H.Nielsen	"Trying to understand Standard Model parameters"
I.Novikov	"Black Holes"
L.Okun	"On scientific heritage of I.Ya.Pomeranchuk"
P.Pakhlov	"Production of charmed particles"
V.Popov	"Imaginary time method in theories of ionization of atoms and e^+e^- pair production by intense laser fields"
J.Simpson	"SNO results and around"
M.Vysotsky	"CKM matrix and CP violation in B-mesons"
Wim de Boer	"Dark Matter annihilation in the universe and possible detection with future space experiments"

Lectures on inter-disciplinary topics are also planned:

V.Skulachev	“Programmed death phenomena and the Samuray principle of living systems: It’s better to die than to be wrong”
P.Palazchenko (Gorbachev’s translator)	“Translation and Interpretation in International Communication”