

SYMMETRIES AND SPIN (SPIN-Praha-2010)

Prague, July 18 - July 24, 2010

26-th International Conference of this series - started in 1975 in Dubna and then –from 1976 – traditionally organized in Prague, From 1999 under the name: Advanced Studies Institute on Symmetries and Spin

Organizers: JINR & Faculty of Mathematics and Physics of Charles University Support: CTU in Prague, TU in Liberec, IP of CAS in Prague, IIT of CAS in Brno and University of Florida in Geinesville.

This year it is devoted to the 90th anniversary of the birth of Yuriy Mikhailovich Kazarinov

Conference goals

This series of conferences cover the symmetry & spin phenomena in particle and nuclear physics and astrophysics with the goals:

- to get the broadest possible view by inviting distinguished speakers
- to promote contacts among researchers with different physics background
- to review and discuss present status and perspectives of the research
- to help to form new collaborations
- to help young researchers and students to take active part in the international research programmes

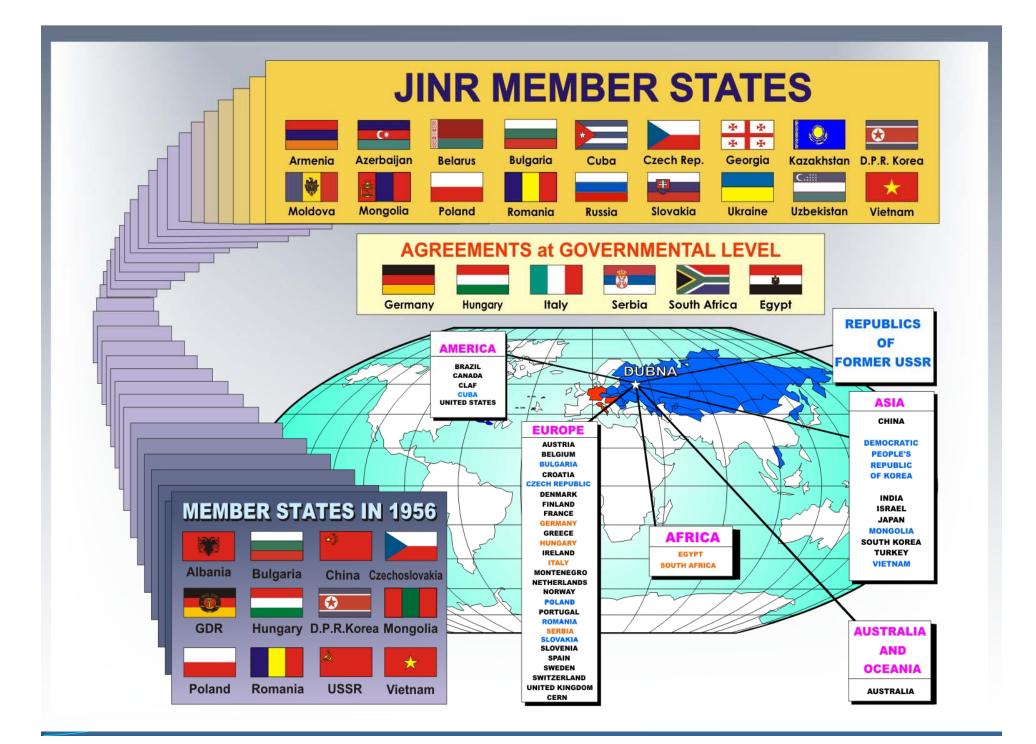


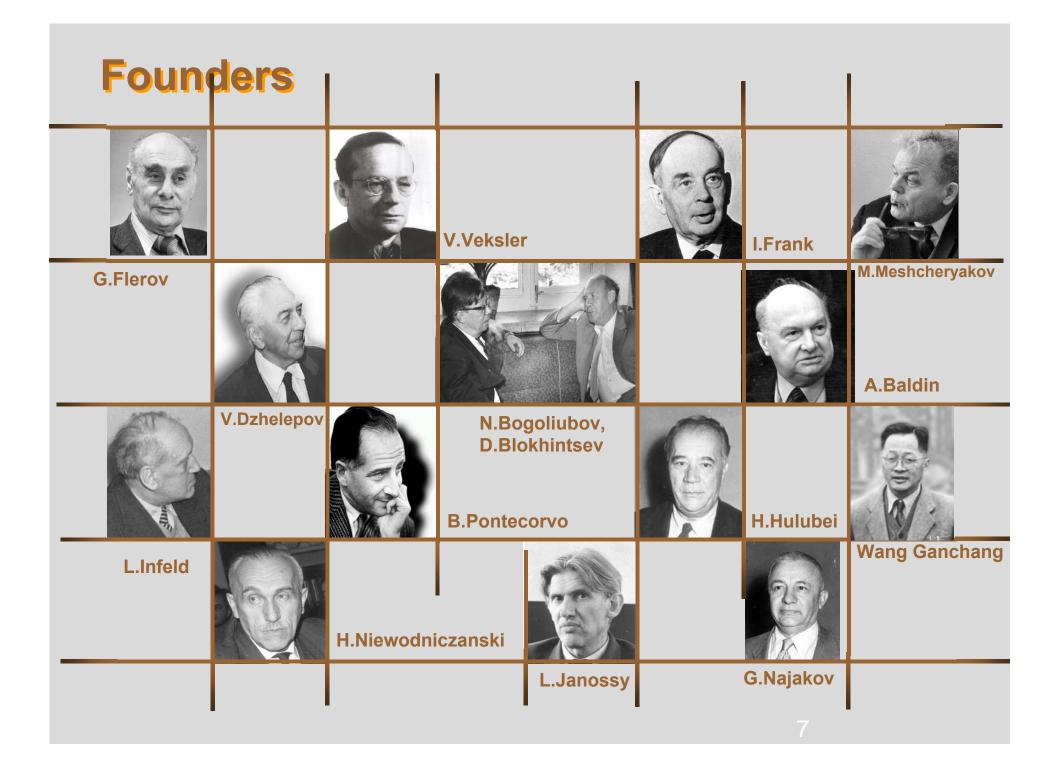


The Science Policy of the Joint Institute for Nuclear Research









First Directorate

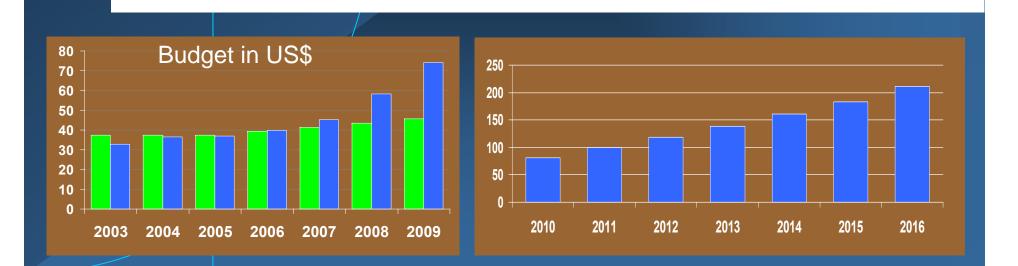


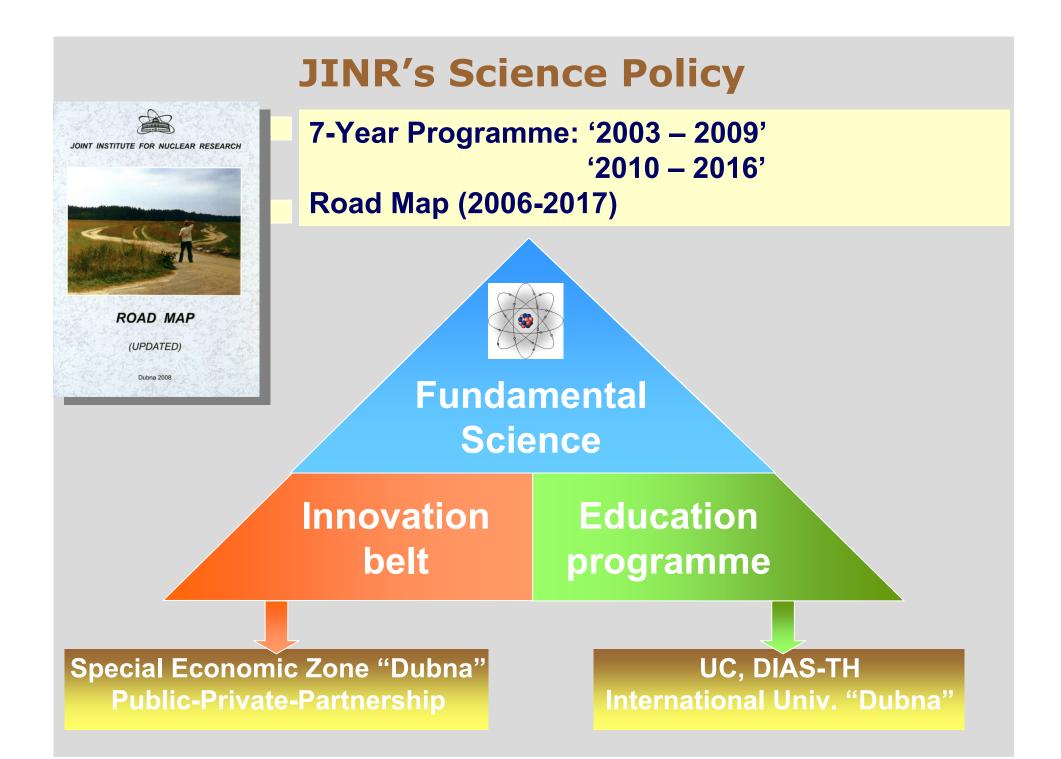
M.Danysz (Poland), D.I.Blokhintsev (USSR), V.Votruba (Czechoslovakia)

JINR in figures

JINR's staff members ~ 5500 researchers ~ 1300 including from the Member States ~ 500 (but Russia)

Doctors and PhD ~ 1000





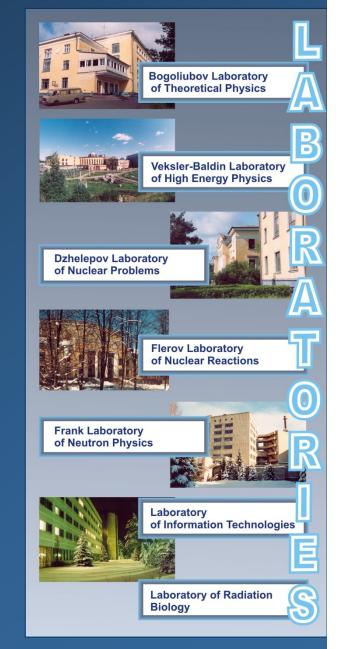
JINR's ROAD MAP

Basic Scientific Directions

- High Energy Physics
- Nuclear Physics
- Condensed Matter Physics

Main Supporting Activities:

Theory of PP, NP, CMP
Networking and computing
Physics instruments and methods
Training of young staff



JINR'S ROAD MAP

JINR's research niche offered by home facilities

Heavy Ion Physics:

Heavy-lon Physics at high energies (up to 4.5 GeV/n), Nuclotron-M (in future NICA/MPD facility: $\sqrt{s_{NN}} = (4 - 11)$ GeV, $E_{lab.} \sim (8 - 60$ GeV/n)

Heavy-Ion Physics at Iow and intermediate energies (5 – 100 MeV/n), U400MR, U400R, DRIBs

<u>Condensed Matter Physics & radiobilogy</u> using nuclear physics methods (neutron sources: IBR-2M, IREN-I & accelerators)

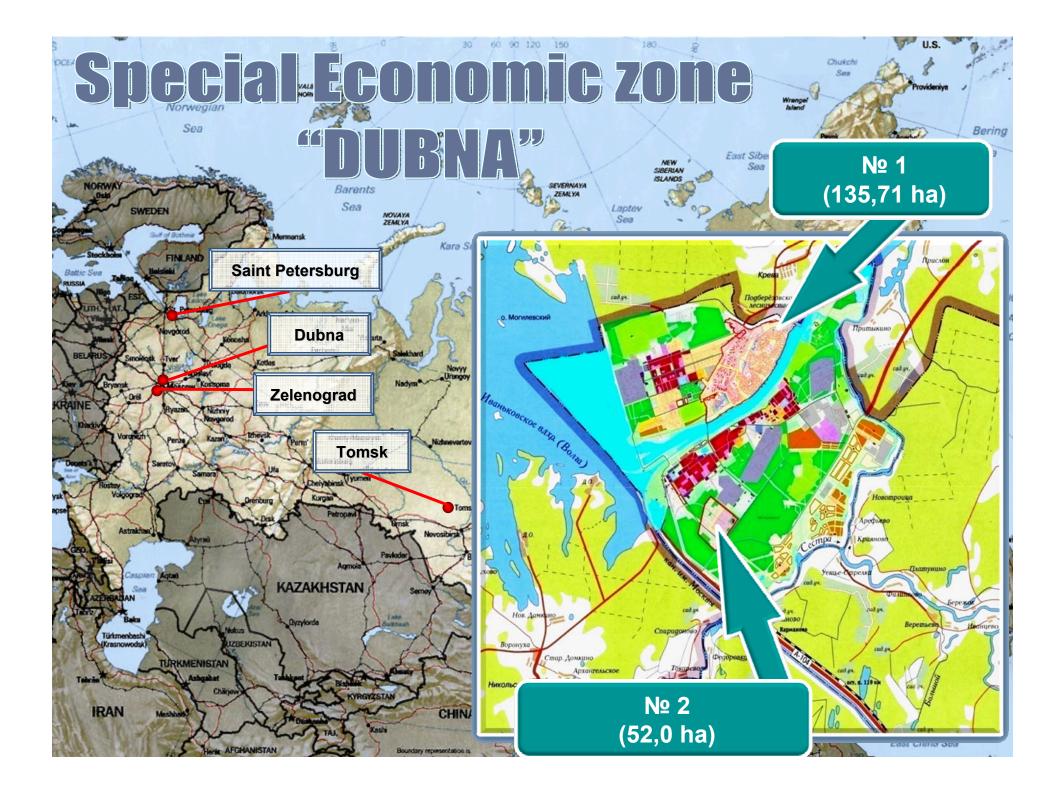
Upgrade of JINR Basic Facilities



A vitally important task is attracting of young people from all the Member States to science

EDUCATIONAL PROGRAMME

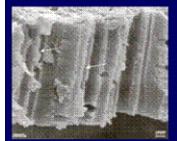




The Special Economic Zone in Dubna, Moscow region > 60 residents, ~1/2 related to JINR

SEZ main specialization > 50 projects from JINR

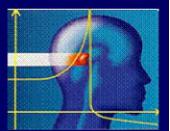
Nanotechnologies



COPPER MICROTUBES

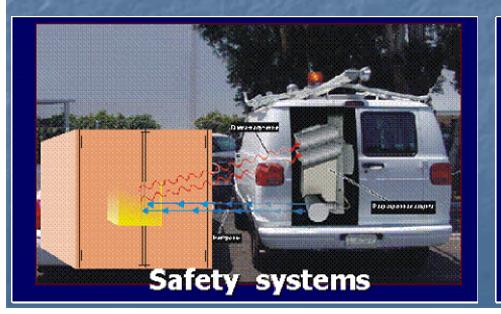
METALLIC NEEDLES





Hadron therapy

Radiation medicine



IT and Telecommunication



Welcome to JINR (Dubna)

ΝΡΝΟ



More detailed information on JINR: www.jinr.ru



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Wishing you a productive work and a pleasant stay here in Prague

Thank you for the attention

