DIAS-TH: Dubna International Advanced School of Theoretical Physics
Helmholtz International Summer School

NUCLEAR THEORY AND ASTROPHYSICAL APPLICATIONS

BLTP JINR, Dubna, Russia, July 21 - August 1, 2014

TOPICS:

- nuclear structure and reactions
- neutrinoless double β-decay
- superfluidity in nuclei and neutron stars
- terrestrial experiments for astrophysics
- neutrino interactions with nuclei / nuclear matter and supernovae
- condensation and phase transitions in dense matter

ORGANIZERS:

J. Margueron (IPN, Lyon)
G. Martínez-Pinedo (TU, Darmstadt)
V. Voronov (JINR, Dubna)

ORGANIZING COMMITTEE:

N. Arsenyev, Scientific secretary (JINR)
V. Novikova, Secretary (JINR)
A. Andreev (JINR)
A. Bezbakh (JINR)
D. Blaschke (JINR&U. Wroclaw)
V. Sargsyan (JINR)
A. Vdovin (JINR)

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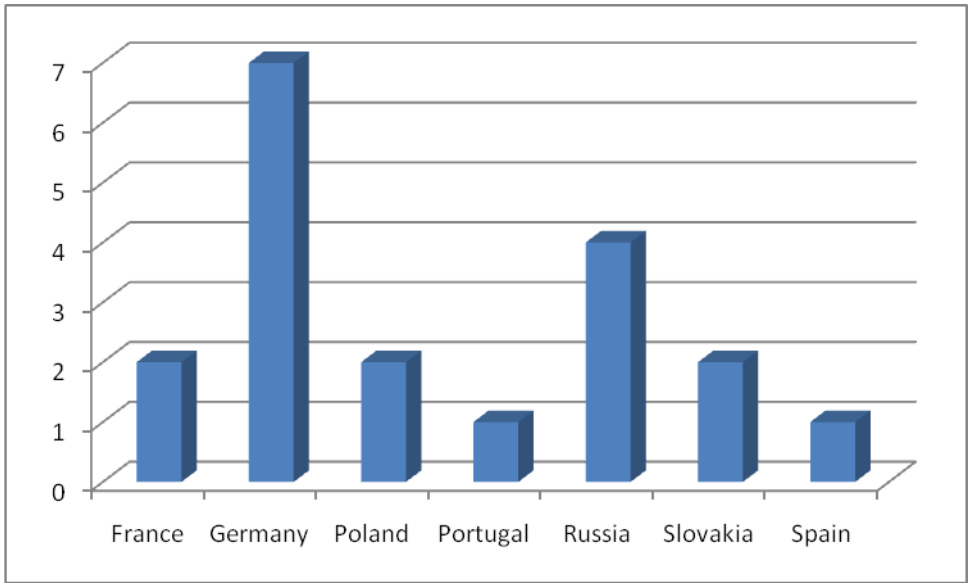
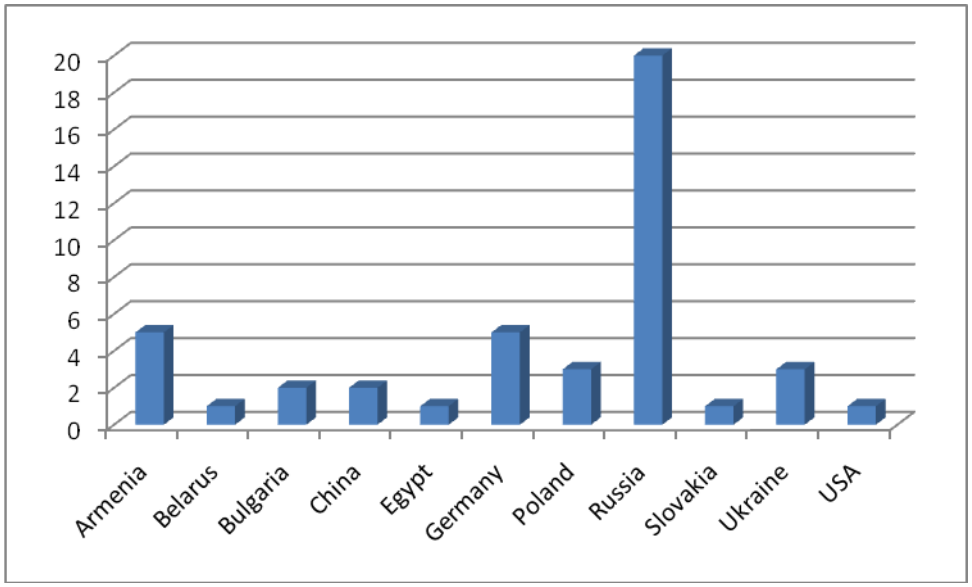
WWW: http://theor.jinr.ru/-ntaa/14/

Countries	Lecturers
France	2
Germany	7
Poland	2
Portugal	1
Russia	4
Slovakia	2
Spain	1
Total	19



Countries	Students
Armenia	5
Belarus	1
Bulgaria	2
China	2
Egypt	1
Germany	5
Poland	3
Russia	20
Slovakia	1
Ukraine	3
USA	1
Total	44



Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research

Dubna International Advanced School of Theoretical Physics
Helmholtz International Summer School

Dubna, Russia, **August 25-September 6 , 2014**

Lattice QCD, Hadron Structure and Hadronic Matter

SCIENTIFIC PROGRAM:

Introduction to lattice gauge theory
Hadron structure and spectroscopy
Non-zero temperature and baryon number density
Chiral perturbation theory
External field effects
Lattice gauge theory and nuclear theory
Non-QCD applications of lattice gauge theory
Simulation algorithms

ORGANIZERS:

Owe Philipsen (Inst. for Theoretical Physics, Goethe Univ. Frankfurt)
Ernst-Michael Ilgenfritz (VBLHEP and BLTP, JINR Dubna)
Oleg Teryaev (JINR, Dubna)

CONTACTS:

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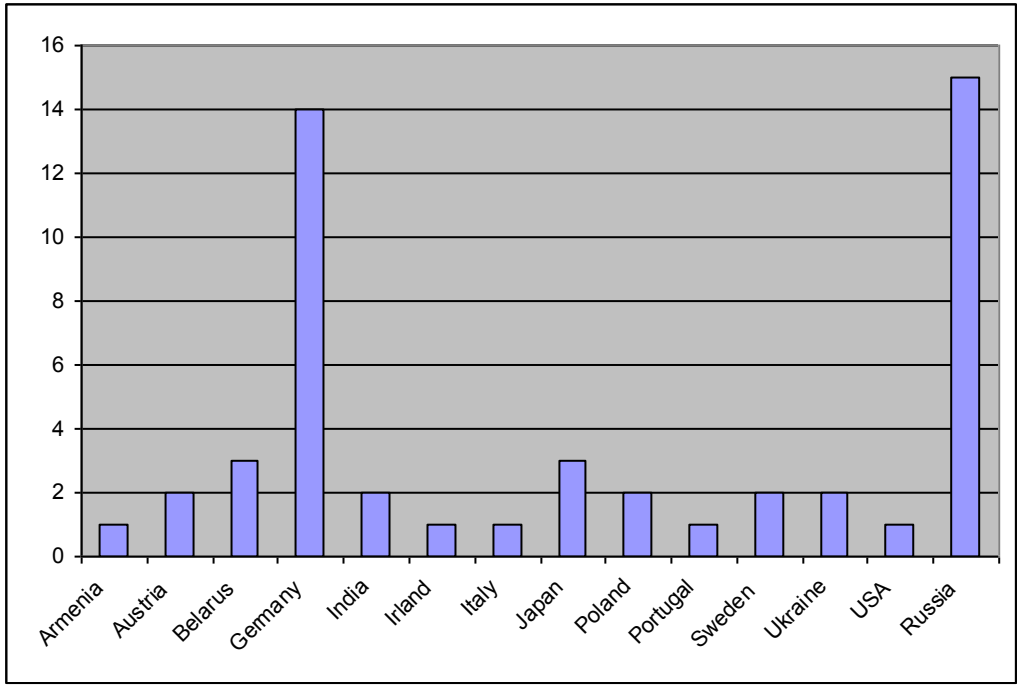
http://theor.jinr.ru/~diastp/summer14

Students

Armenia – 1
Austria – 2
Belarus – 3
Germany – 14
India – 2
Ireland – 1
Italy – 1
Japan – 3
Poland – 2
Portugal – 1
Sweden -2
Ukraine – 2
USA – 1
Russia - 15
Total – 50



Lecturers

Germany – 10
Russia – 11
USA – 2


HELMHOLTZ INTERNATIONAL SUMMER SCHOOL
Dubna International Advanced School of Theoretical Physics / DIAS-TH
DENSE MATTER 2015
Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, 29 June - 11 July
TOPICS
Equation of state & QCD phase transitions
Transport properties in dense QCD matter
Hadronization & freeze-out in heavy ion collisions (HIC)
Astrophysics of compact stars (CS)
Dense matter in strong electromagnetic fields
Simulations of dense QCD, HIC and CS
Experiments and observational programs
ORGANIZERS
D. Blaschke (JINR Dubna & Univ. Wroclaw)
M. Bleicher (FIAS & Univ. Frankfurt)
A.T. Filippov (JINR Dubna)
B. Yu. Sharkov (FAIR Darmstadt & FRRC Moscow)
A.S. Sorin (JINR Dubna)
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Local Organizing Committee
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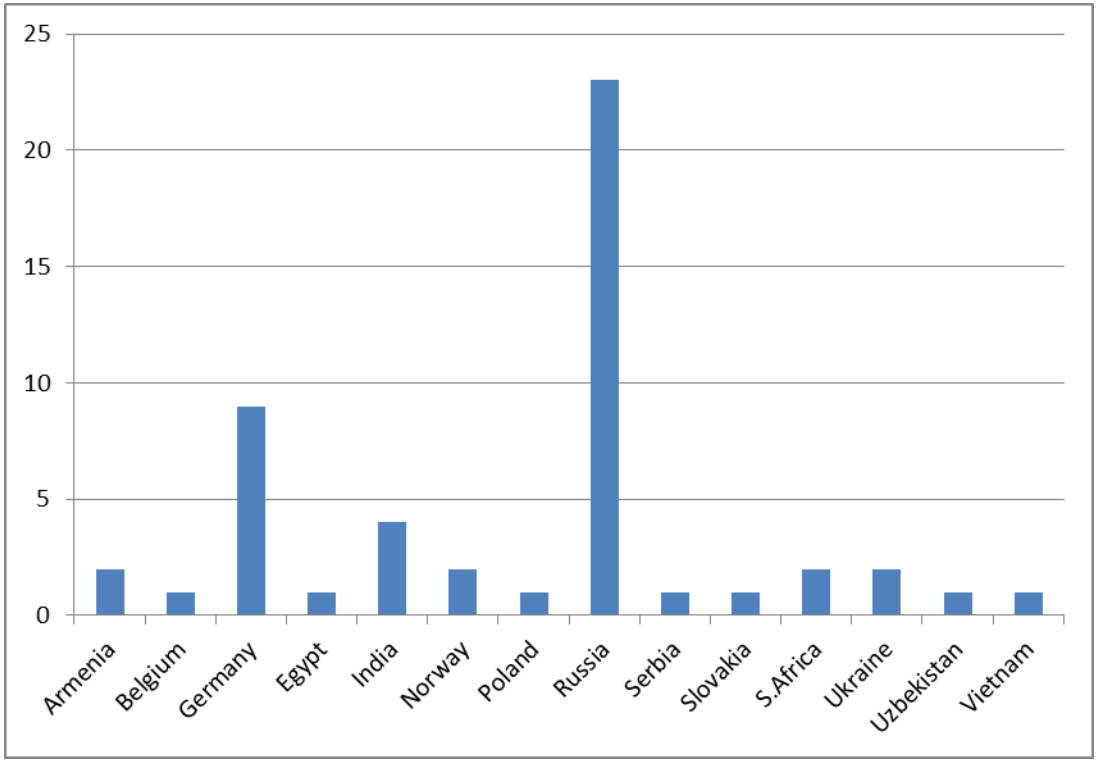
A. V. Friesen (BLTP JINR)
A. S. Khvorostukhin (BLTP JINR)
E. A. Kolganova (BLTP JINR)
O. M. Korotchik (JINR)- secretary
I. G. Pirozhenko (BLTP JINR)
O. V. Teryaev (BLTP JINR)
P. V. Tretyakov (BLTP JINR)
V. I. Zhuravlev (BLTP JINR)
Satellite School of SQM 2015 Conference
JINR
NICA
RFBR
RUSSIAN FOUNDATION FOR BASIC RESEARCH
HELMHOLTZ GEMEINSCHAFT
Dynasty
SQM
DUBNA 2015

Students 51



Lecturers 13

France	1
Germany	3
Italy	1
Japan	1
Slovakia	1
S. Africa	1
Sweden	1
Switzerland	1
USA	3

Helmholtz International Summer School – HISS
Dubna International Advanced School of Theoretical Physics – DIAS TH

Theory challenges for LHC physics

July 20 – 30, 2015, Dubna, Russia

Lectures:

Michelangelo Mangano (CERN)
"Introduction to hadron collider physics"
Stefan Gieseke (KIT)
"QCD for colliders"
Simon Badger (CERN)
"QCD amplitudes at NLO and beyond"
Thorsten Ohl (Wuerzburg Uni.)
"Computational techniques for the LHC"
Rutger Boels (DESY)
"Modern computational methods for scattering amplitudes"
Michael Spannowsky (Durham Uni.)
"Higgs physics"
Thomas Mannel (Siegen Uni.)
"Flavour physics"
Alexander Belyaev (Southampton Uni.)
"Beyond the Standard Model"
Joachim Mnich (DESY, Hamburg)
"Future colliders"
Thomas Hahn (MPI Munich)
"Symbolic Programming in HEP"
Alexander Eremin (JINR)
"Heavy Elements and Island of Stability"
Grigory Trubnikov (JINR, Dubna)
"NICA project at JINR"

Program Committee

D.Bardin (JINR)
E.Boos (SINP MSU)
T.Hahn (Munich)
D.Kazakov (JINR)
K.Melnikov (KIT)
S.Moch (DESY, Zeuthen)
J.Reuter (DESY)

Organizing Committee

D.Kazakov (JINR) - chairman
A.Bednyakov (JINR) - sci secretary
N.Dokalenko (JINR) - secretary
A.Arbuzov (JINR)
A.Gladyshev(JINR)
L.Kalinovskaya (JINR)
T.Riemann (DESY, Zeuthen)
A.Sapronov (JINR)
J.Schmelzer (Rostok & JINR)

Contacts:

Dr. Alexander Bednyakov
calc2015@theor.jinr.ru
Visas, hotel, transportation
Natalia Dokalenko
doknatasha@jinr.ru

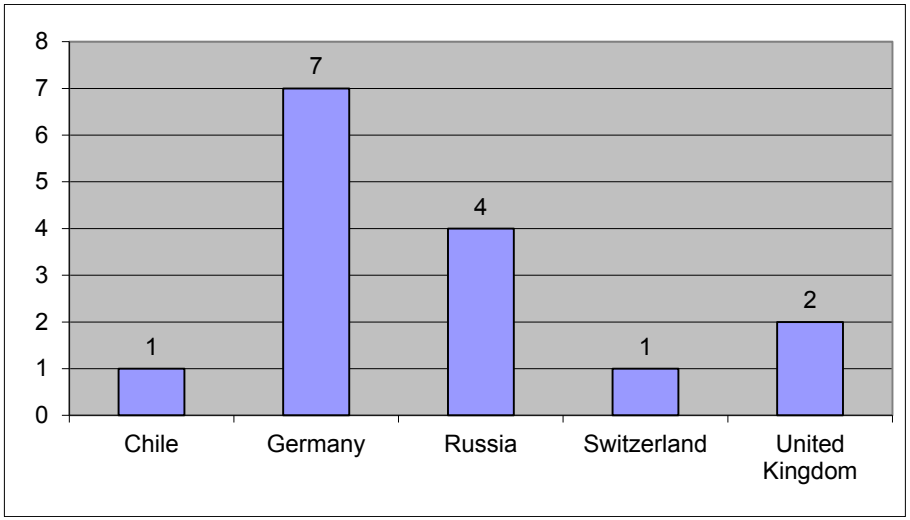
Workshop "Calculations for Modern and Future Colliders"

July 23 – 30, 2015

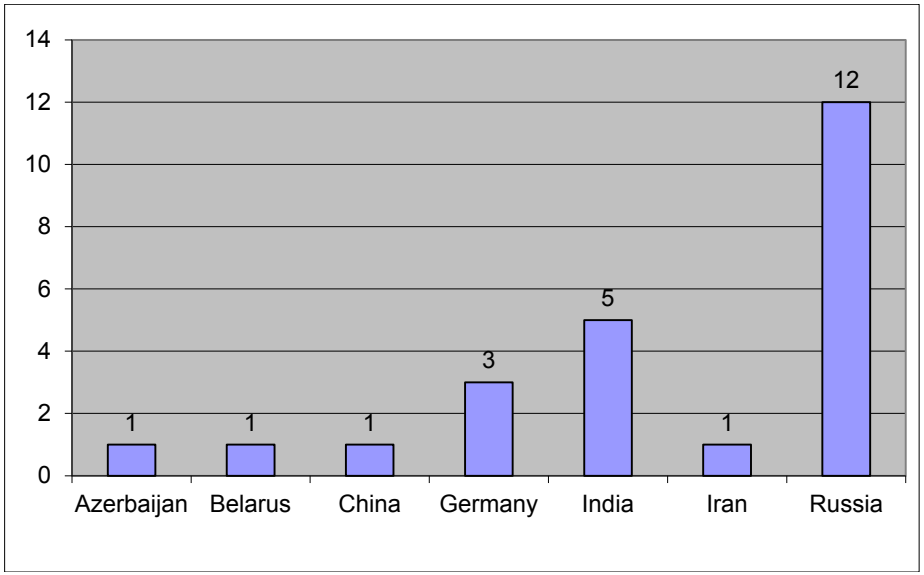
Topics:
- Precision theoretical calculations for experiments at the LHC
- Methods of multiloop calculations and resummation
- Computer codes for calculations in HEP
- Theoretical predictions beyond the Standard Model
- Modern computational methods for scattering amplitudes

http://theor.jinr.ru/~calc2015

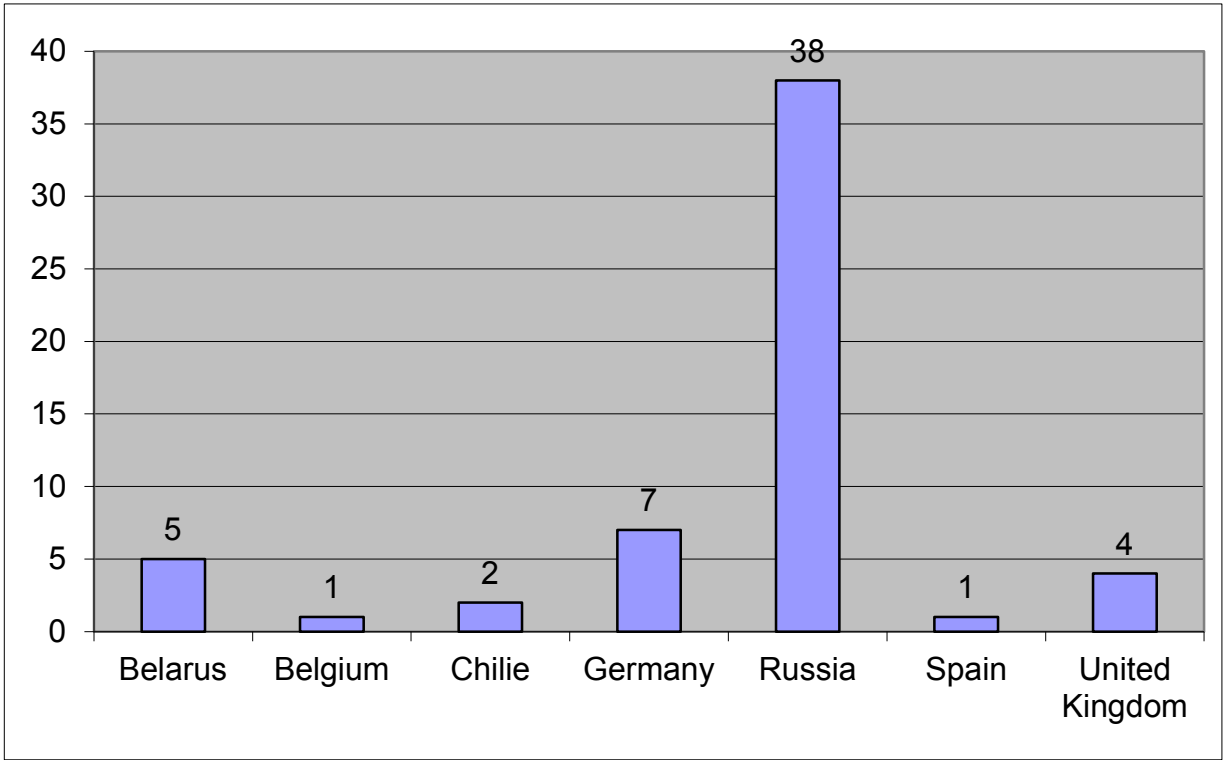
LECTURERS 15



STUDENTS 25



WORKSHOP PARTICIPANTS 58

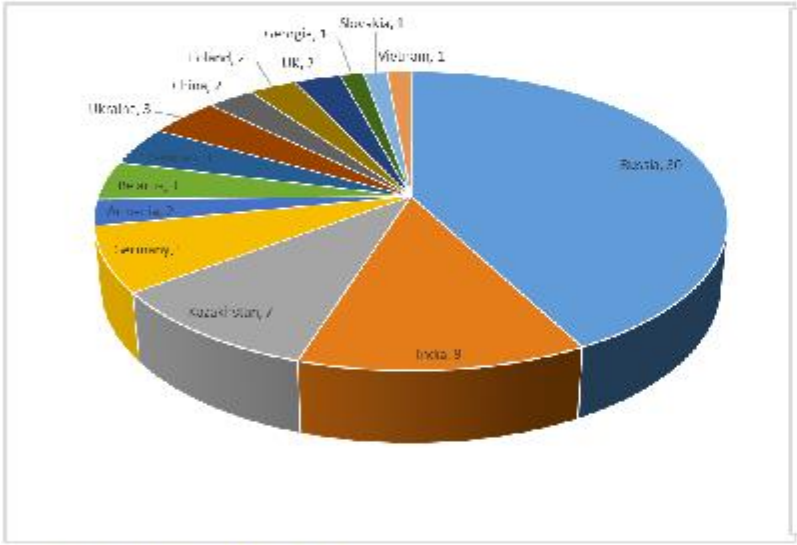


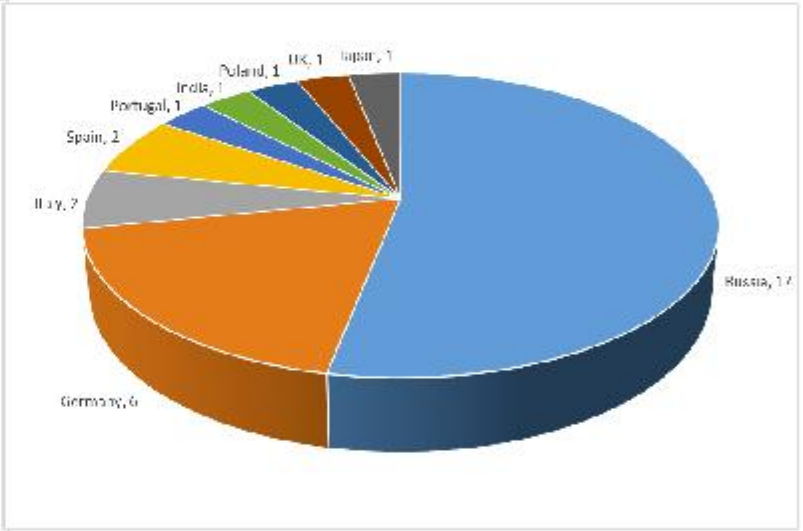

Helmholtz International Summer School - HISS
Dubna International Advanced School of Theoretical Physics - DIAS TH
Quantum Field Theory at the Limits:
from Strong Fields to Heavy Quarks
BLTP, JINR, Dubna, Russia
July 18-30, 2016
TOPICS:
- Flavor physics and CP-violation
- Beyond the Standard Model
- Effective theories and models in heavy quark physics
- b-hadrons and their decays
- Top quark physics
- XYZ states
- Strong-field QED
- High-intensity plasma physics
Website: http://indico-new.jinr.ru/event/hq2016
Contact email: hq2016@theor.jinr.ru
Organizers:
A. Ali (DESY)
D. Blaschke (JINR, Uni Wroclaw)
H. Gies (HI Jena)
M. A. Ivanov (JINR)
Local organizers:
Yu. Bystritskiy (JINR)
A. Issadykov (JINR)
A. Khvorostukhin (JINR)
V. Novikova (JINR)
I. Pirozhenko (JINR)
J. Schmelzer (Rostock Uni. & JINR)
V. Zhuravlev (JINR)
JINR
HI Jena
HIM
HELMHOLTZ GEMEINSCHAFT
DESY
JÜLICH
GSI
KIT

HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

Dubna International Advanced School of Theoretical Physics / DIAS-TH

Statistics for Quantum Field Theory at the Limits 2016

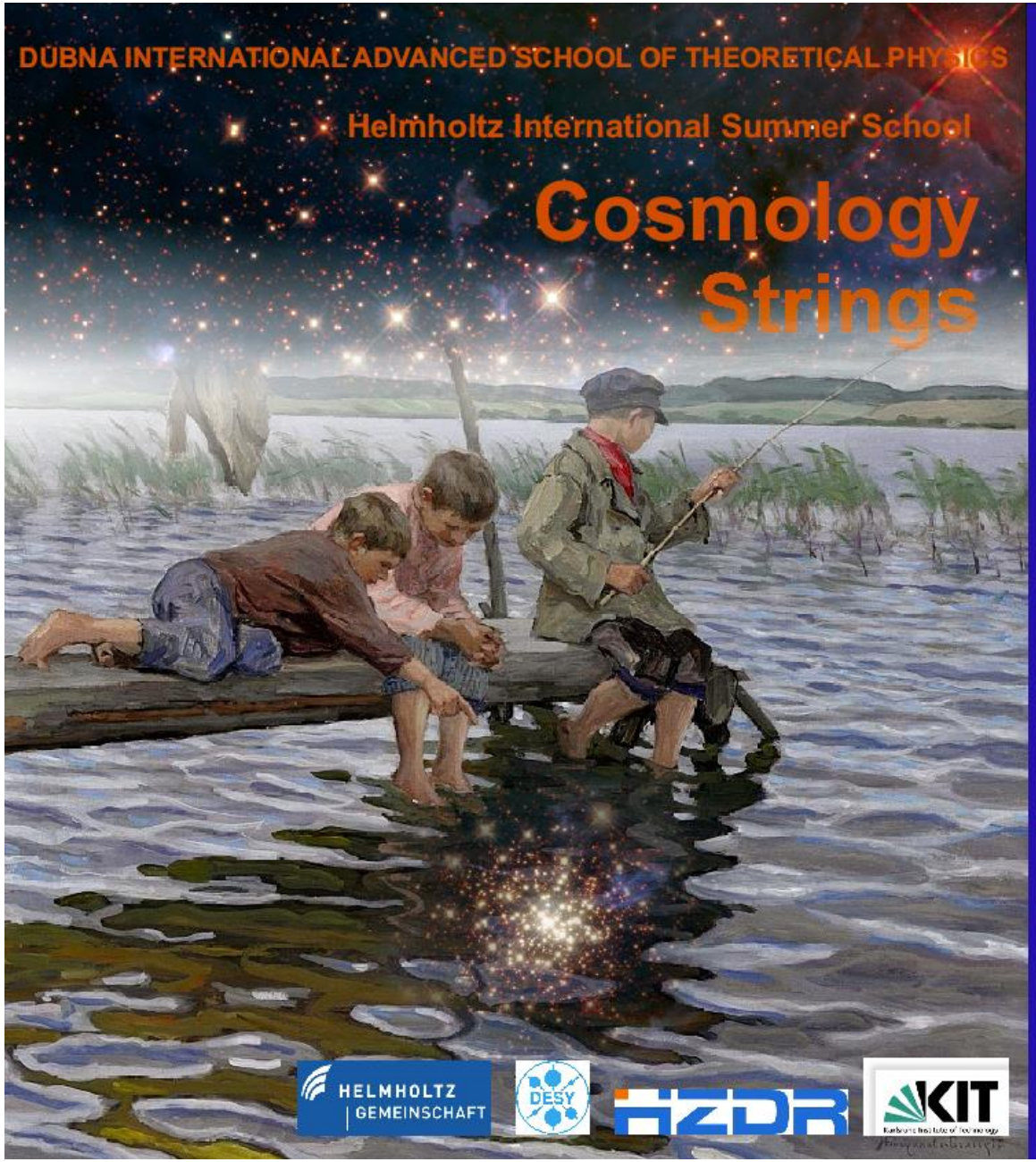




Participants - 71

Lecturers - 32

Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, July 18-30, 2016



JOINT INSTITUTE FOR NUCLEAR RESEARCH

Bogoliubov Laboratory of Theoretical Physics

New Physics

August 28-September 10, 2016
Dubna, Russia

Topics

Advances in supersymmetric gauge theories
Higher spin theories
Gravity, (super)symmetry, integrability
Status of new physics at LHC
Cosmology and high energy physics
Inflationary cosmology and alternatives
Dark energy and modified gravity

Organizers

A.Filippov (JINR), F.R.Klinkhamer (KIT Karlsruhe)
V.A. Rubakov (INR Moscow), V.Schomerus (Desy Hamburg)
A.A.Starobinsky (Landau Inst & JINR)

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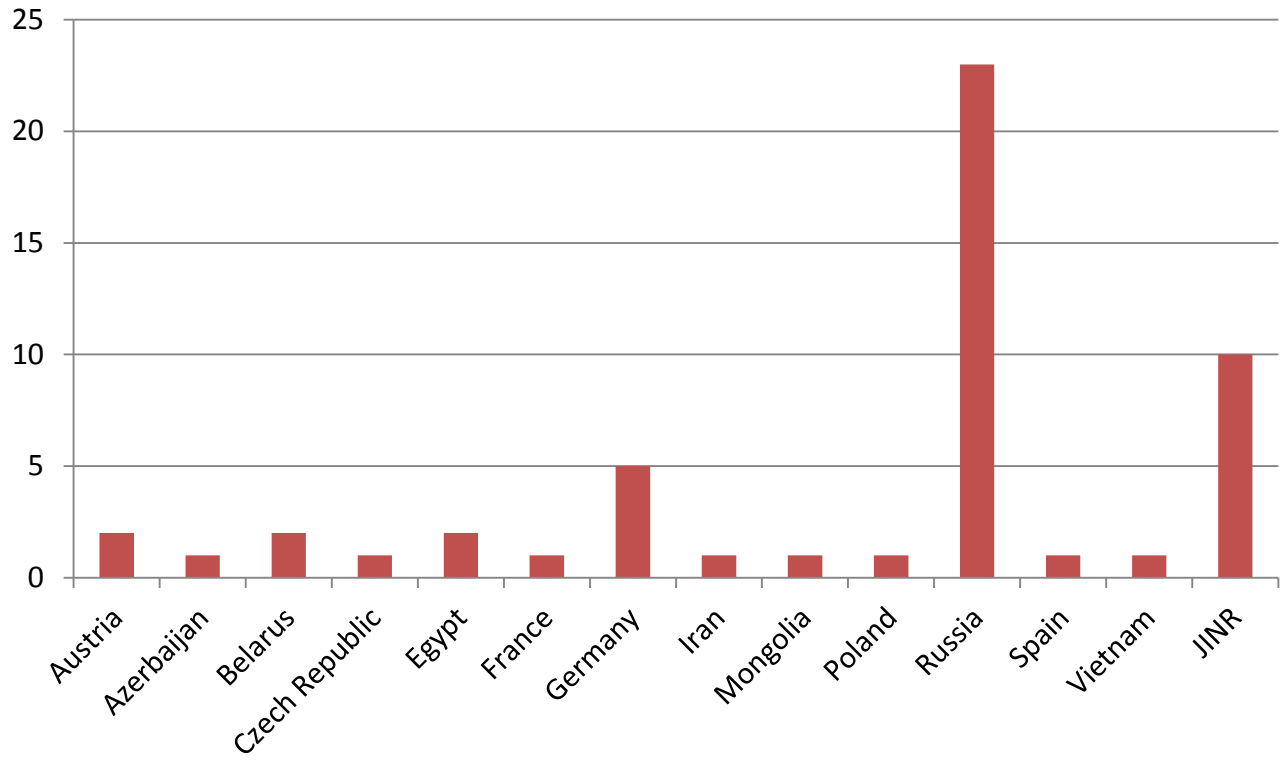
RFBR RUSSIAN FOUNDATION FOR BASIC RESEARCH

Students (52)



Lecturers (18)

Austria 1
Germany 3
Russia 8
JINR 6