

WELCOME !

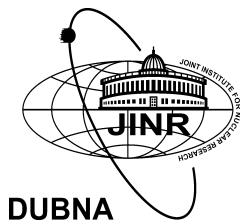
HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

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

WELCOME !



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DENSE MATTER 2015

Bogoliubov Laboratory of Theoretical Physics,
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Karlsruher Institut für Technologie

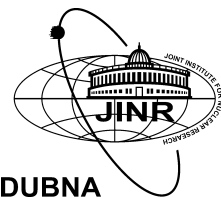


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HISS Dubna

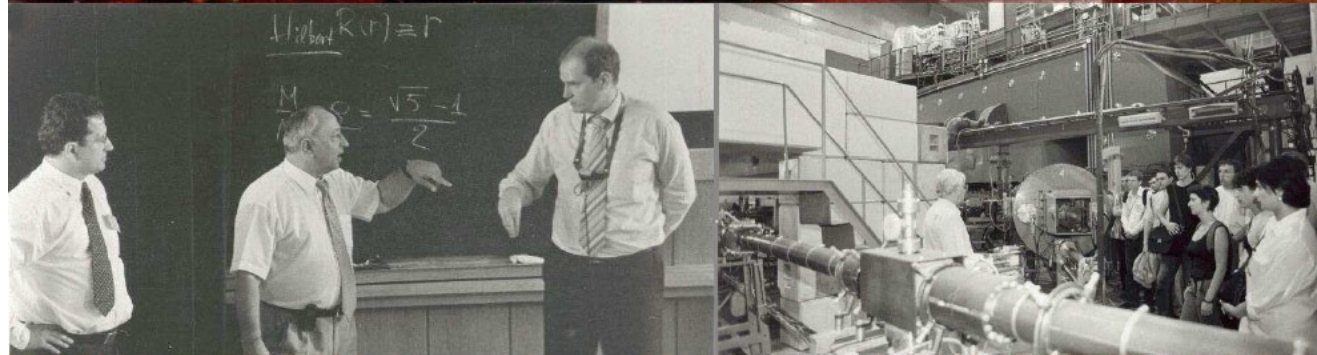
- Created in 2004
- 6 schools in 3 years
- Funding:
 - Helmholtz President
 - DESY + GSI
 - JINR
- 15 Lecturers/ 50 Students
- 10 days + weekend



DUBNA

The First School: Hot points in Astrophysics (2004)

- 29 Stud. from Russia, Belarus, Armenia, Germany, Italy, Poland, Croatia, Japan
- 25 Students from JINR Dubna
- 13 Lecturers from Russia, Ukraine
- 12 lecturers from Germany, Italy, Poland, Korea, Japan, USA
- Lecture notes printed at JINR Dubna Press



David Blaschke - Helmholtz @ JINR Dubna - 24. June 2008

Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, 29 June - 11 July

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Startup Topics from the field “Structure of Matter” (2004 - 2006):

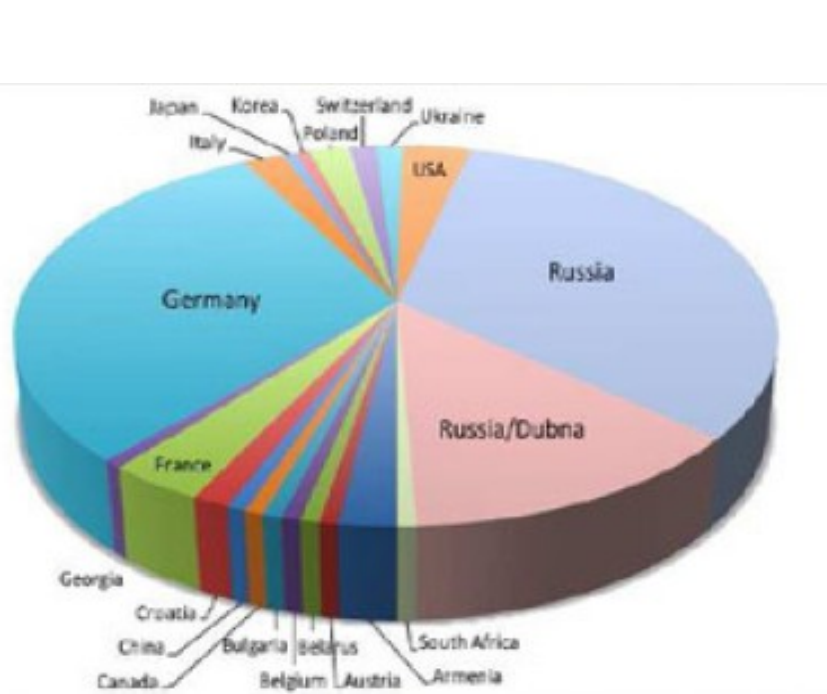
1. Hot Points in Astrophysics and Cosmology (2004) – Belyaev & Blaschke
2. Heavy Quark Physics (2005) – Ali & Ivanov
3. Modern Mathematical Physics (2005) – Lechtenfeld & Filippov
4. Nuclear Theory and Astrophysical Appl. (2005) – Langanke & Voronov
5. Calculations for Modern & Future Colliders (2006) – Riemann & Kazakov
6. Dense Matter in HIC & Astro. (2006) – Wambach & Blaschke & Voronov

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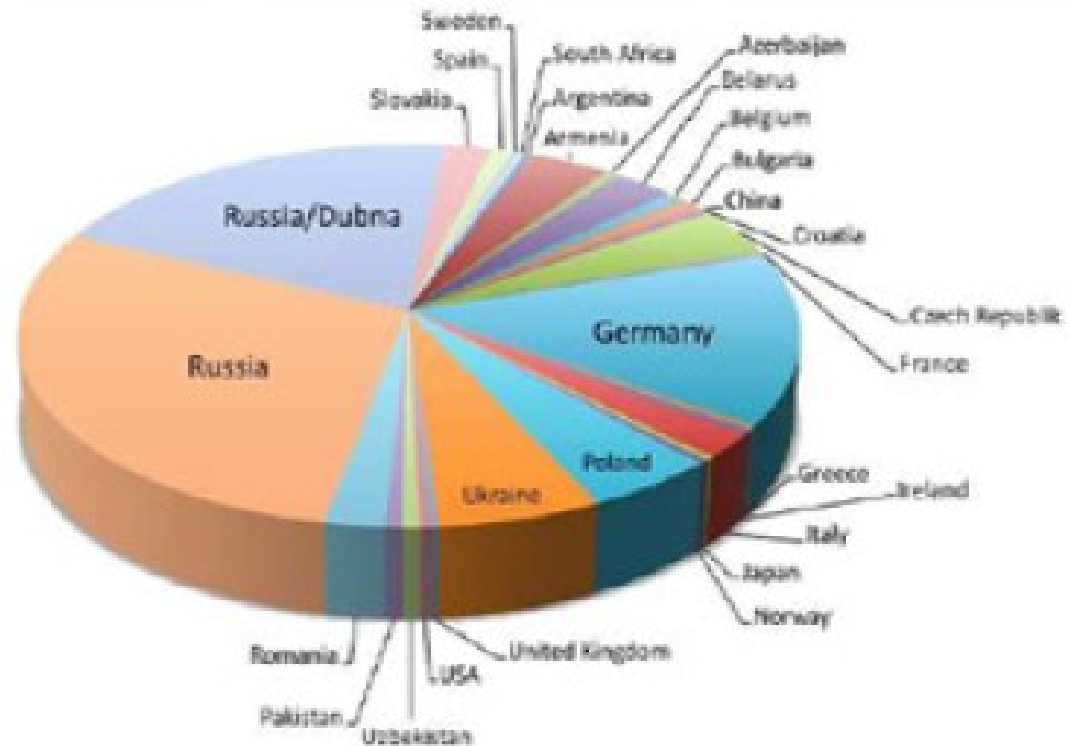
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Statistics of Six Helmholtz International Summer Schools (2004 - 2006)



Total lecturers: 147



Total Students: 315

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JINR Mega-Science Project: NICA

<http://theor.jinr.ru/twiki-cgi/view/NICA/WebHome>



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The Present and the Future of HISS Dubna

Cooperation Agreement between Helmholtz Centres
And Institutes and JINR Dubna (2014 - 2016)



Cooperation Agreement

between

the Joint Institute for Nuclear Research (JINR) in Dubna, Russian Federation

and

the Deutsches Elektronen-Synchrotron - DESY,

the Facility for Antiproton and Ion Research (FAIR) GmbH Darmstadt with

the FAIR-Russia Research Center (FRRRC) in Moscow, Russian Federation,

the Forschungszentrum Jülich GmbH,

the GSI Helmholtz Center for Heavy Ion Research GmbH with

the Helmholtz Institute Jena and the Helmholtz Institute Mainz,

the Helmholtz-Zentrum Dresden - Rossendorf,

the Karlsruhe Institute for Technology

- HCs -

on the

Collaboration in the Planning and Conduction of the HISS Helmholtz
International Summer Schools in Dubna 2014 – 2016

Dated 04.11.2014

Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, 29 June - 11 July

HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

Dubna International Advanced School of Theoretical Physics / DIAS-TH

- Title:** Nuclear Theory and Astrophysical Applications
Organizers: J. Margueron (IPN Lyon), G. Martinez-Pinedo (GSI & TU Darmstadt), V. Voronov (JINR Dubna)
Website: <http://theor.jinr.ru/~ntaa/14>
Termin: 20.07.-01.08. 2014
- Title:** Lattice QCD, Hadron Structure and Hadronic Matter
Organizers: M. Ilgenfritz (JINR Dubna), O. Philipsen (Uni Frankfurt), O. Teryaev (JINR Dubna)
Website: <http://theor.jinr.ru/~diastp/summer14>
Termin: 25.08.-06.09. 2014
- Title:** Matter under Extreme Conditions in Heavy-Ion Collisions and Astrophysics
Organizers: D. Blaschke (JINR Dubna, Uni Wroclaw), M. Bleicher (FIAS, HIC-for-FAIR), A.T. Filippov (JINR Dubna), B. Sharkov (FAIR Darmstadt & FRRC Moscow), A. S. Sorin (JINR Dubna)
Termin: 2015
- Title:** Modern Colliders - Theory and Experiments
Organizers: D. Bardin, D. Kazakov (JINR Dubna), K. Melnikov (KIT Karlsruhe), J. Reuter (DESY Hamburg)
Termin: 2015
- Title:** Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks
Organizers: A. Ali (DESY Hamburg), D. Blaschke (JINR Dubna, Uni Wroclaw), H. Gies (HI Jena), M. Ivanov (JINR Dubna), K. Peters (GSI Darmstadt)
Termin: 2016
- Title:** Cosmology, Strings and New Physics
Organizers: A. Filippov (JINR Dubna), F.R. Klinkhamer (KIT Karlsruhe), V. Rubakov (INR Moscow), V. Schomerus (DESY Hamburg), A. Starobinsky (Landau Inst. & JINR Dubna)
Termin: 2016

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HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

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Helmholtz International Summer School "Nuclear Theory and Astrophysical Applications"
BLTP JINR, Dubna, Russia, July 21 - August 1, 2014

Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, 29 June - 11 July

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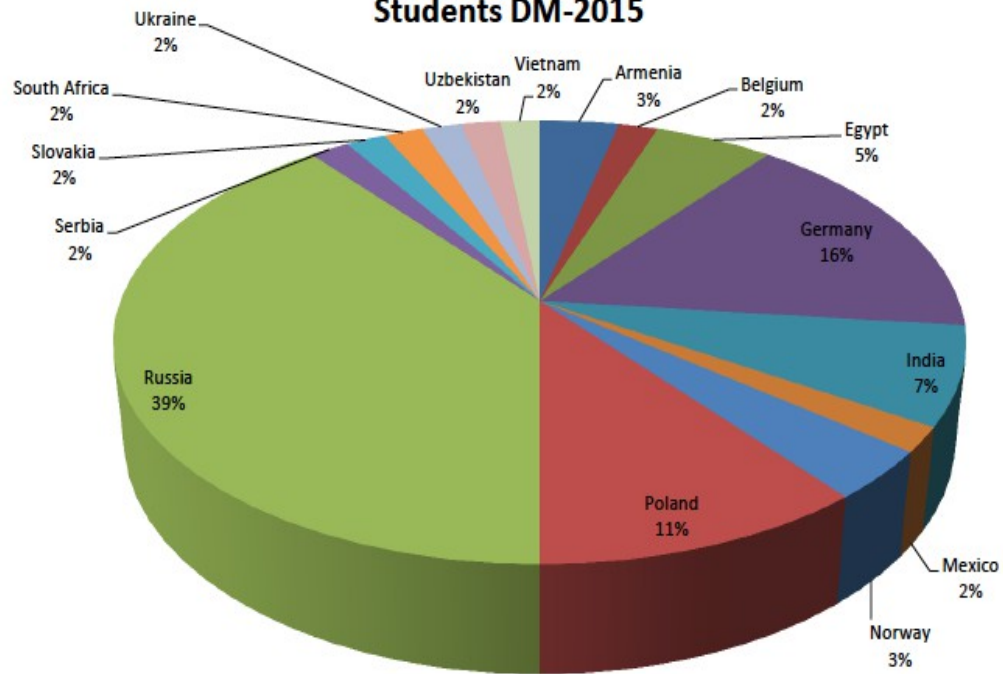
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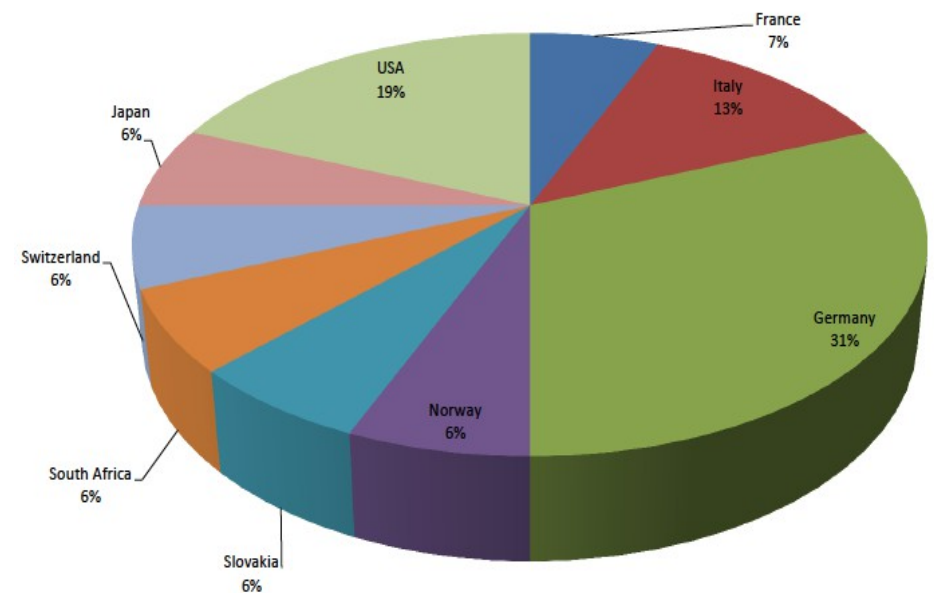
Statistics for Dense Matter 2015

Students DM-2015



56

Lecturers DM-2015



16

HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

Dubna International Advanced School of Theoretical Physics / DIAS-TH

1st week (Conference Hall of the Bogoliubov Laboratory for Theoretical Physics)

Time/Date	Monday 29.06.	Tuesday 30.06.	Wednesday 01.07.	Thursday 02.07.	Friday 03.07.	Saturday 04.07.
9:30 - 10:30	Registration (9:00-10:00) Opening (10:00)	Hempel	Hoffmann	Bratkovskaya	Bravina	Kaczmarek
	Coffee Break					
11:00-12:00	Ohnishi	Kolomeitsev	Cleymans	Bratkovskaya	Randrup	Bravina
12:00-13:00	Kaminski	Castorina	Randrup	Hoffmann	Bleicher	Bleicher
	Lunch Break					
15:00-16:00	Castorina	Kaczmarek	Laboratory Excursion	Kaempfer	Cleymans	Wong
	Coffee Break					
16:30-17:30	Hempel	Kaminski	Kolomeitsev	Randrup	Kaempfer	Wong
18:00-19:00	Seminars/Exercises					

Bogoliubov Laboratory of Theoretical Physics,
Joint Institute for Nuclear Research, 29 June - 11 July

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2nd week (Conference Hall of the Veksler-Baldin Laboratory for High Energy Physics; see also “Strangeness in Quark Matter 2015” at <http://sqm.jinr.ru>)

Time/Date	Monday 06.07.	Tuesday 07.07.	Wednesday 08.07.	Thursday 09.07.	Friday 10.07.	Saturday 11.07.
9:30-11:00	Plenary Talks					
	Coffee Break					
11:30-13:00	Plenary Talks					
	Lunch Break					Closing
14:30-15:30	Ohnishi	Kaczmarek	Excursion	Becattini	Aichelin	
15:40-16:40	Plenary Talks	Parallel Talks		Parallel Talks		
	Coffee Break			Coffee Break		
17:00-18:20	Plenary Talks	Parallel Talks		Parallel Talks		
18:30-19:30	NICA Lab Excursion	Advisory Board Meeting		Panel Discussion	Poster Wine & Cheese	
19:30- ...	Welcome Reception			Conference Dinner		

Bogoliubov Laboratory of Theoretical Physics,
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