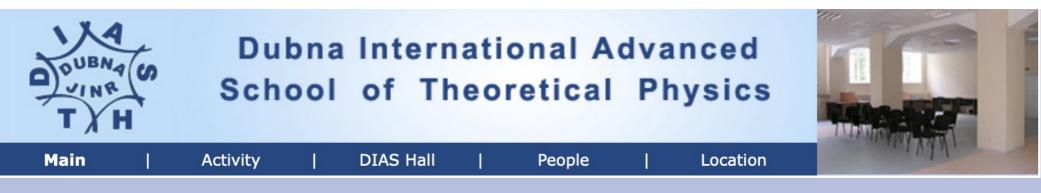
WELCOME !

HELMHOLTZ INTERNATIONAL SUMMER SCHOOL

Dubna International Advanced School of Theoretical Physics / DIAS-TH

Cosmology, Strings and New Physics

WELCOME !



2019 2018 2017 2016 2015 2014 2013 2012 2011 2010

Phd Seminar

Video records

Recommended References

HISS in Dubna

Links

Translate this page in English by Google

NEWS

January 28 – February 1, 2019 XVth Winter School on Theoretical Physic Complex Systems and Advanced Materials

July 22 - August 2, 2019 Helmholtz - DIAS International Summer School Quantum Field Theory at the Limits: from Strong Fields to Heavy Quarks

July 28 - August 2, 2019 International School Advanced Methods of Modern Theoretical Physics: Integrable and Stochastic Systems

August 4 - 17, 2019 Helmholtz - DIAS International Summer School Cosmology, Strings, New Physics

SPONSORS:









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

Cosmology, Strings and New Physics



Dubna International Advanced School of Theoretical Physics / DIAS-TH

HISS Dubna

- Created in 2004
- 6 schools in 3 years
- Funding:

Helmholtz President DESY + GSI JINR

- 15 Lecturers/ 50 Students
- 10 days + weekend



HELMHOLTZ

ASSOCIATION



DUBNA

The First School: Hot points in Astrophysics (2004)

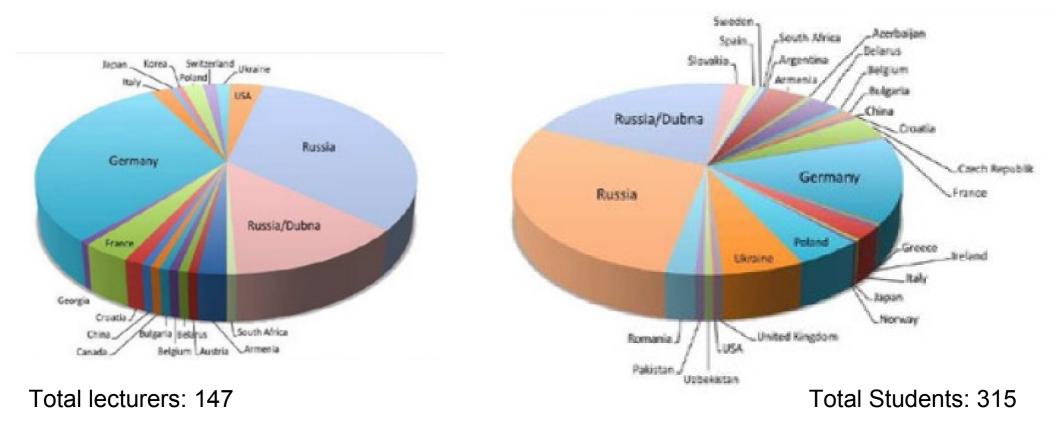
- 29 Stud. from Russia, Belarus, Armenia, Germany, Italy, Poland, Croatia, Japan
- 25 Students from JINR Dubna
- 13 Lecturers from Russia, Ukraine
- 12 lecturers from Germany, Italy, Poland, Korea, Japan, USA
- Lecture notes printed at JINR Dubna Press



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

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



JINR Mega-Science Project: NICA

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









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 (FRRC) 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

Dubna International Advanced School of Theoretical Physics / DIAS-TH

Helmholtz International Summer Schools (HISS) Dubna

"Structure of Matter under Extreme Conditions"

Scientific Program 2017 - 2019

Status: January 21, 2019

Title:	Nuclear Theory and Astrophysical Applications
Organizers:	S. Heinz (GSI Darmstadt), V. Voronov (JINR Dubna)
Website:	http://theor.jinr.ru
Termin:	1022.07. 2017
Title:	Hadron Structure, Hadronic Matter and Lattice QCD,
Organizers:	O. Kaczmarek (Uni Bielefeld), O. Teryaev (JINR Dubna), M. Ilgenfritz (JINR Dubna)
Website:	http://theor.jinr.ru
Termin:	20.0802.09. 2017
Title: Organizers:	Matter under Extreme Conditions in Heavy-Ion Collisions and Astrophysics M. Bleicher (FIAS Frankfurt, HIC-for-FAIR), D. Blaschke (JINR Dubna, Uni Wroclaw), L. Bravina (Uni Oslo), A. Taranenko (NRNU Moscow)
Website:	http://theor.jinr.ru/~diastp/summer18/
Termin:	2031.08. 2018
Title:	Modern Colliders - Theory and Experiments
Organizers:	D. Kazakov (JINR Dubna), J. Reuter (DESY Hamburg), S. Moch (Uni Hamburg)
Website:	https://indico.jinr.ru/conferenceDisplay.py?confId=418
Termin:	22.0701.08. 2018
Title: Organizers:	Quantum Field Theory at the Limits: From Strong Fields to Heavy Quarks U. Meissner (FZ Jülich), H. Gies (HI Jena), M. Ivanov (JINR Dubna), D. Blaschke (JINR Dubna, Uni Wroclaw).
Website:	http://theor.jinr.ru/meetings/2019/
Termin:	22.702.08. 2019
Title:	Cosmology, Strings and New Physics
Organizers:	B. Kämpfer (HZ Dresden-Rossendorf), F.R. Klinkhamer (KIT Karlsruhe), I. Pirozhenko, A. Filippov (JINR Dubna), A. Starobinsky (Landau Inst. & JINR Dubna)
Website:	http://indico.jinr.ru/conferenceDisplay.py?confId=736
Termin:	04 -17 08, 2019

Cooperation	Agreement
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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 (FRRC) 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,

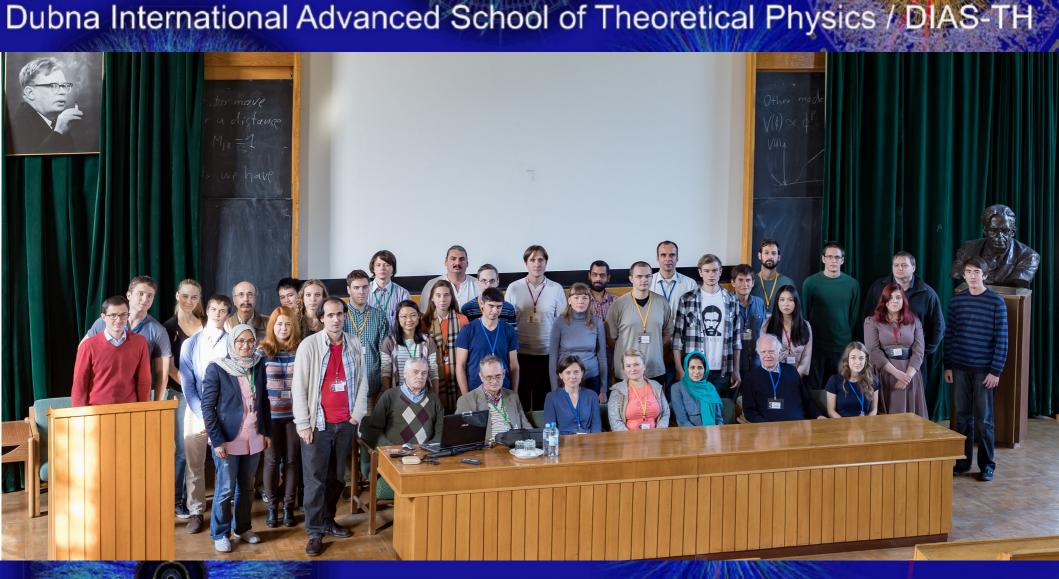
the Karlsruhe Institute for Technology

- HCs -

on the

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

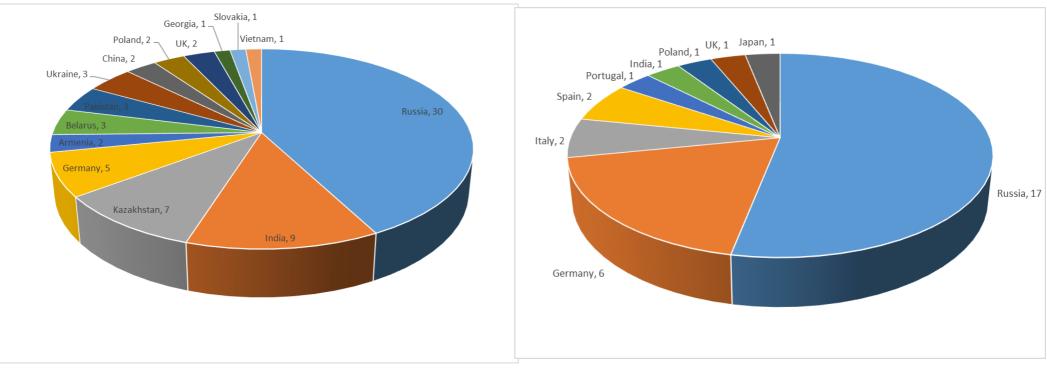
Dated 04.11.2014



Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, August 28 – September 10, 2016



Statistics for Quantum Field Theory at the Limits 2016

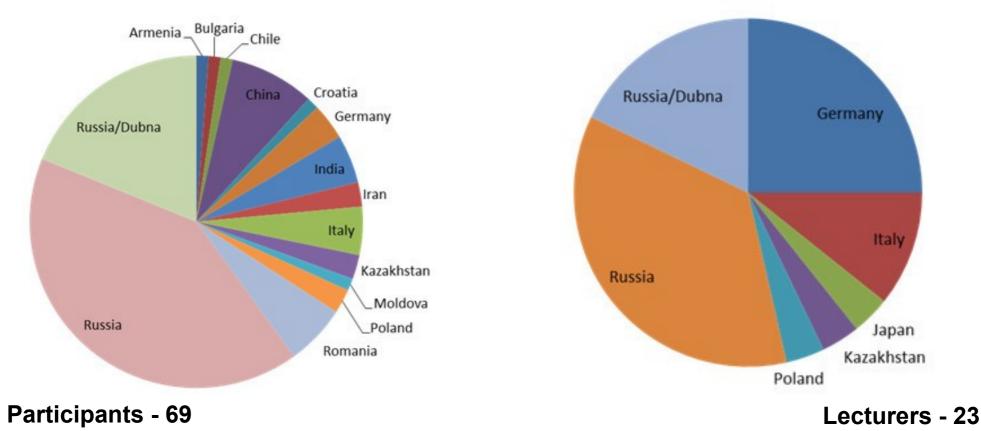


Participants - 71

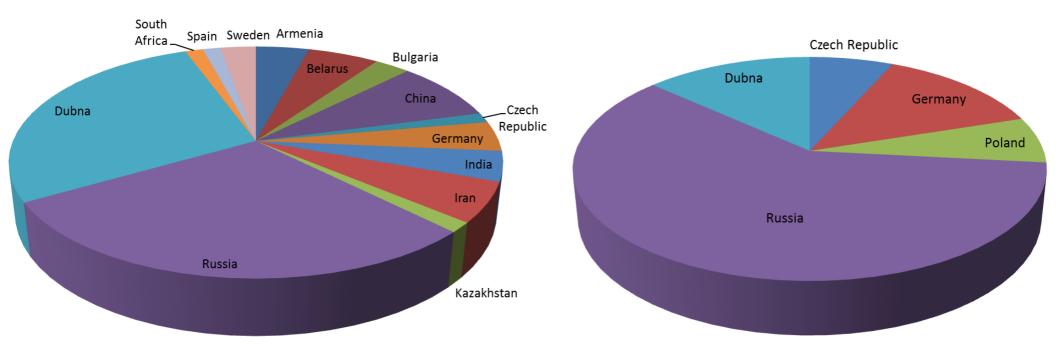
Lecturers - 32

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

Statistics for Quantum Field Theory at the Limits 2019



Statistics for Cosmology, Strings & New Physics 2019



Participants - 72

Lecturers - 15

Dubna International Advanced School of Theoretical Physics / DIAS-TH

COSMOLOGY, STRINGS, NEW PHYSICS

4-17 August, 2019

First week	Monday, 5/08/19	Tuesday, 6/08/19	Wednesday,7/08/19	Thursday,8/08/19	Friday, 9/08/19	
9:00-9:30	DMS	DMS	DMS	BLTP	DMS	
9:30-10:00	Registration	D. Gorbunov - II	D. Gorbunov - III	J. Buchbinder-V	A. Westphal - III	
10:00-10:30	D. Blaschke. Opening					
10:30-11:30	J. Buchbinder - I	A. Vikman -I	J. Buchbinder-IV	A. Vikman –III	K. Postnov-I	
11:30-12:00	Coffee Break					
12:00-13:00	D. Gorbunov - I	J. Buchbinder-III	A. Westphal – I	Westphal - II	K. Postnov-II	
13:00-15:00			Lunch	•		
15:00-16:00	J. Buchbinder - II	N. Krasnikov	A. Vikman -II	Excursion to FLNR	A. Westphal - IV	
16:00-16:30		Coffee Break	•			
16:30	R. Zhokhov - 20' F. Kazemian - 20' T. Vetsov - 20'	A. Shehada - 20' C. Möckel - 20' M. Bures - 20'	A. Singh - 20' E. Pozdeeva - 20' Sh. Das - 20'		H. Sheikhahmadi- 20' N. Khosravi - 20' A. Sen - 20'	

Dubna International Advanced School of Theoretical Physics / DIAS-TH

COSMOLOGY, STRINGS, NEW PHYSICS

4-17 August, 2019

Second week	Monday,12/08/19	Tuesday,13/08/19	Wednesday,14/08/19	Thursday,15/08/19	Friday, 16/08/19	
	DMS	DMS	DMS	DMS	DMS	
9:30-10:30	E. Musaev-I	M. Volkov-II	E. Musaev-III	D. Kazakov-II	E. Musaev-V	
10:30-11:30	A. Starobinsky-I	E.Musaev-II	A. Dolgov-I	A. Dolgov-II	A. Dolgov-III	
11:30-12:00	Coffee Break					
12:00-13:00	A. Starobinsky-II	A. Starobinsky-III	V.Spiridonov-I	V. Spiridonov-II	V.Rubakov-I	
13:00-15:00	Lunch					
15:00-16:00	M.Volkov-I	M.Volkov-III	D.Kazakov-I	E. Musaev-IV	V.Rubakov - II	
16:00-16:30			Coffee Break	- -		
16:30	I.Perapechka - 30' H.Sheikhahmadi - 20'	M. Skugoreva -20' E. Izotova -20' A. Pikalov - 20'	V. Emelianov –I,II	V. Loiko -20' N. Gorina -20' H. Sheikhahmadi - 20'	Closing	

Saturday 10/08/2019 and Sunday 11/08/2019 are free days. On Saturday we plan a bus excursion to Abramtsevo. http://www.abramtsevo.net/eng/



- 1 Hotel "Dubna"
- **2** House of International Meetings
- 5 Hotel "Grill"
- 7 Restaurant "Old Armenia"
- 8 Visit Centre
- 9 JINR Labs: BLTP, FLNR, LIT, FLNP, DLNP, LRB
- **10 Railway station "Dubna"; Express train to Moscow**

The School is opened -

The School is opened -



Enjoy Your Summer School !

