



**Bogolyubov Institute for Theoretical  
Physics of the National Academy  
of Sciences of Ukraine**



**VI Conference of Young Scientists**

**Problems of theoretical physics**

dedicated to 105-th anniversary of M.M. Bogolyubov

**November 25 – 27, 2014**

**ORGANIZING COMMITTEE**

*Head – Academician of NAS of Ukraine, Prof Dr. Anatoly Zagorodny;*

Ph.D. Volodymyr Kravchuk; Ph.D. Sergiy Perepelytsya; Yuliya Bezvershenko; Ph.D. Anastasiya Rebesh; Ivan Starodub; Oleksandr Chernyak; Volodymyr Shapoval; Maxim Sydorenko; Kostyantyn Ershov; Ph.D. Olexandr Viznyuk; Ph.D. Olexandr Gamayun; Ph.D. Oleksiy Ivanytsky; Ph.D. Yuri Karpenko; Ph.D. Denis Malyshev; Oleg Moroz; Ph.D. Dmytro Piatnytskyi; Denys Savchenko; Ph.D. Artur Slobodeniuk.

**TOPICS OF THE CONFERENCE**

High energy physics, astroparticle physics, quantum cosmology, theory of nuclear systems, quantum field theory, theory of symmetries, theory of nonlinear processes in macromolecular structures, nanosystems and plasmas, dynamics of open strongly nonequilibrium physical, biological, economic and information systems.

**REVIEW LECTIIONS**

<i>Sections</i>	<i>Lecturers</i>
<b>1. Astrophysics and Cosmology</b>	<b>Dmytro A. Yakubovsky</b> , Ph.D. / Bogolyubov Institute for Theoretical Physics of NAS of Ukraine;
<b>2. Mathematical Physics</b>	<b>Viktor I. Gerasimenko</b> , Dr. Prof. / Institute of Mathematics of NAS of Ukraine;
<b>3. Statistical Theory of Many-body Systems</b>	<b>Volodymyr I. Zasenکو</b> , Dr. / Bogolyubov Institute for Theoretical Physics of NAS of Ukraine;
<b>4. Physics of Biological Macromolecules</b>	<b>Sergej N. Volkov</b> , Prof. Dr. / Bogolyubov Institute for Theoretical Physics of NAS of Ukraine;
<b>5. Condensed Matter Physics</b>	<b>Sergei G. Sharapov</b> , Dr. / Bogolyubov Institute for Theoretical Physics of NAS of Ukraine; <b>Yu.V. Skrypnyk</b> , Dr. Prof. / G.V. Kurdyumov Institute of Metal Physics of NAS of Ukraine
<b>6. Physics of Nuclei and Elementary Particles</b>	<b>Mark I. Gorenstein</b> , Prof. Dr. / Bogolyubov Institute for Theoretical Physics of NAS of Ukraine;

**We invite** the undergraduate and postgraduate students and the young scientists. Maximum age of a participant is **35**. Working language of the Conference is **English** only. There are oral and poster talks. We provide **20 min** for an oral talk. Proceedings of the best talks will be recommended for publishing in the Ukrainian Journal of Physics.

**Registration fee 100 UAH** includes Conference Program and Book of Abstracts, and Coffee-breaks. For undergraduate students the registration fee is reduced to **50 UAH**. Organizing Committee assists the accommodation for participants from other towns.

**To participate** in the Conference you need to fill the Registration Form, prepare one-page **English** Abstract of your talk according to the example and send them to the Organizing Committee *via* e-mail [confyoung@bitp.kiev.ua](mailto:confyoung@bitp.kiev.ua). For additional information, please contact: <http://confyoung.bitp.kiev.ua>

**October 24 is the deadline for Abstract and Registration Form submission**