

23-26 May 2017 Peterhof

IV International Workshop Dzyaloshinskii-Moriya Interaction and Exotic Spin Structures (DMI 2017)



The program of the workshop will cover the following topics:

1. Crystal Handedness and Spin Chirality.
2. Critical Spin Fluctuations at the Phase Transition in Helimagnets.
3. Monoaxial Chiral Helimagnets.
4. Exotic Spin Structures (skyrmions, merons, etc.).
5. Chiral Couplings and Phase Transitions in Helimagnets.
6. Spin Excitations in Helimagnets with DM Interaction.
7. Hall Effect in Chiral Magnetic Structures.
8. Thin Films and Surface Effects in Cubic Ferromagnets without Center of Symmetry.
9. Neutron Scattering for Non-Collinear Magnetism.
10. Theory of DMI Effect on the Magnetic Structure.
11. Antiferromagnets and Multiferroics.

Program Committee:

Co-Chairman: Sergey Grigoriev
(Petersburg Nuclear Physics Institute, Gatchina, Russia);
Co-Chairman: Jun-ichiro Kishine
(The Open University of Japan, Japan);
Javier Campo (Faculty of Sciences, University of Zaragoza, Zaragoza, Spain);
Sergey Demishev (General Physics Institute of RAS, Moscow, Russia);
Vladimir Dmitrienko (Crystallography Institute RAS, Moscow, Russia);
Markus Garst (Institute for Theoretical Physics, University of Cologne, Cologne, Germany);
Katsuya Inoue (Hiroshima University, Japan);
Dirk Menzel (Institut für Physik der Kondensierten Materie, TU Braunschweig, Braunschweig, Germany);
Isabelle Mirebeau (Laboratoire Léon Brillouin, Saclay, France);
Teodor Monchesky (Department of Physics and Atmospheric Science, Dalhousie University, Halifax, Nova Scotia, Canada);
Alexander Ovchinnikov (Ural State University, Ekaterinburg, Russia);
Catherine Pappas (Delft University of Technology, Delft, Netherland);
Ulrich Rossler (Leibniz Institute for Solid State and Materials Research, Dresden, Germany).

Organizing Committee:

Chairman: Nadya Chubova
(Petersburg Nuclear Physics Institute, Gatchina, Russia);
Secretary: Anastasia Zaitseva
(Petersburg Nuclear Physics Institute, Gatchina, Russia);
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