

## INTRODUCTION

The second and third issues of the Journal of Physics of Elementary Particles and Atomic Nuclei of the year 2013 contain the special selection of papers «Advances of Quantum Field Theory» which consists of original research articles as well as review papers dedicated to various aspects and methods of quantum field theory.

Most of the authors, who contributed to the special volumes, have participated in the International Conference «Advances of Quantum Field Theory» which took place in Dubna (October 4–7, 2011) on the occasion of Dmitry Kazakov's 60th birthday.

Dmitry Kazakov came to the Bogoliubov Laboratory of Theoretical Physics (BLTP) of the Joint Institute for Nuclear Research (JINR) after graduating from the Lomonosov Moscow State University in 1975 where he works up to the present: now he is the leader of the «Theory of Elementary Particles» project. He also heads the laboratory at the Moscow ITEP and the department at the Moscow Institute of Physics and Technology.

Having broad interest in physics, he is a frequent author of academic articles on various topics of quantum field theory such as multiloop calculations, supersymmetry and low dimensional theories, AdS/CFT correspondence, QCD and physics beyond the Standard Model.

Dmitry Kazakov is an excellent lecturer and, as a result, is always surrounded by grateful audience. He trained several generations of students, most of them are already well-known scientists in different fields of physics, and not only in physics. He can always explain complex physical phenomena using rather simple words and examples. This quality became apparent in his popular science articles and speeches, including radio and television.

We would like to include in this Introduction the Conference poster with humorous caricatures of friends and coauthors of Dmitry Kazakov. The interested reader is encouraged to try to recognize them. We present also several photos from the Conference. Their number, unfortunately, is strongly limited due to the size of the Introduction. A larger collection of photos as well as the Conference materials can be found at <http://theor.jinr.ru/~qft>.

We are grateful to all the authors for their contributions, and to the Editorial Board of the Journal of Physics of Elementary Particles and Atomic Nuclei for cooperation.

Alexey Gladyshev  
Anatoly Kotikov