

<https://doi.org/10.15407/ujpe69.11.765>

## EDITORIAL FOREWORD

New Trends in High-Energy Physics is a series of conferences initiated by the Bogolyubov Institute for Theoretical Physics, National Academy of Sciences of Ukraine in 1992. It is focused on topical problems in experiment, phenomenology and theory of particle, nuclear and astroparticle physics. The conferences were held yearly or biannually at various sites in Ukraine and abroad, namely in Kyiv, Alushta, Yalta, Novy Svit, Odesa (Ukraine), Sukhumi (Georgia), Budva/Bečići (Montenegro), and Natal (Brazil).

The Series started at a modest scale and was named “HADRONs”, later on assuming its present format and name “New Trends in High-Energy Physics”. Interest in the Conference was gradually and worldwide increasing, the number of participants being limited to about 100. Reasonable balance between young and expertized participants, theory and ex-

periment is typical of the “New Trends”. Typical is also the format of the conferences, much time being devoted to free discussions. The relax atmosphere at the Conferences fosters intense collaboration and creation of new ideas that resulted in original publications.

The latest conference, this time extended by Low-x Physics (due to Christophe Royon) was held at Danube’s picturesque mouth, in Sfântu Gheorghe (Green Village resort), Romania, on September 1–5, 2024, see: <https://indico.cern.ch/event/1353482/>. We thank the participants for their contributions, presented in these Proceedings, and hope to meet again at our future events. The next meeting will be held in October 2025 in the subtropical Batumi (Georgia), on the Black see coast.

Below is a selected list of references to earlier proceedings:



Participants of the New Trends in High-Energy and Low-x Physics conference (Sfântu Gheorghe, Romania, 2024)

1. *Hadrons – 92. Proceedings of the workshop on elastic and diffractive scattering*. Edited by L. Jenkovszky, E. Martynov (Kiev, 1992).
2. *Hadrons – 93. Proceedings of the workshop on soft physics. Novy Svit, Crimea*. Edited by G. Bugrij, L. Jenkovszky, E. Martynov (Kiev, 1993).
3. *Hadrons – 94. Proceedings of the workshop on soft physics, Uzhgorod, Ukraine, 1994*. Edited by G. Bugrij, L. Jenkovszky, E. Martynov (Kiev, 1994).
4. *Hadrons – 95, Diffraction. Proceedings of the XI-th workshop on soft physics, Novy Svet, Crimea*. Edited by G. Bugrij, L. Jenkovszky (Kiev, 1995).
5. *Hadrons – 96: Confinement. Proceeding of the XII-th workshop on soft physics, Novy Svet, Crimea*. Edited by G. Bugrij, L. Jenkovszky, E. Martynov (Kiev, 1996).
6. *Hadrons – 98. Proceedings of the 14-th International Conference on Strong Interactions at High Energies, Parthenit, Crimea, 1998* (Kiev, 1998).
7. *New Trends in High-Energy Physics, Yalta (Crimea), 2000*. Edited by P.N. Bogolyubov, L.L. Jenkovszky (Kiev, 2000).
8. *New Trends in High-Energy Physics, Yalta (Crimea), 2001*. Edited by P.N. Bogolyubov, G.V. Bugrij, L.L. Jenkovszky (Kiev, 2001).
9. *New Trends in High-Energy Physics, Alushta (Crimea), 2003*. Edited by P.N. Bogolyubov, L.L. Jenkovszky and V.M. Magas. *Ukr. J. Phys.* **11–12**, 1122 (2003).
10. *Diffraction 2002*. Edited by R. Fiore, L.L. Jenkovszky, M.I. Kotsky, V.K. Magas, A. Papa (Kluwer Academic Publisher, in cooperation with NATO Sc. Affairs Division, 2003).
11. *New Trends in High-Energy Physics, Yalta (Crimea), 2000*. Edited by P.N. Bogolyubov, P.O. Fedosenko, L.L. Jenkovszky, Yu.A. Karpenko (Kiev, 2005).
12. *New Trends in High-Energy Physics, Yalta (Crimea), 2000*. Edited by P.N. Bogolyubov, L.L. Jenkovszky, V.K. Magas, Z.I. Vakhnenko (Kiev, 2006).
13. *New Trends in High-Energy Physics, Yalta (Crimea), 2007*. Edited by N.N. Bogolyubov, L.L. Jenkovszky, and V.K. Magas (Kiev, 2007).
14. *New Trends in High-Energy Physics, Alushta (Crimea), 2011*. Edited by P.N. Bogolyubov, L.L. Jenkovszky (Kiev, 2011).
15. *New Trends in High-Energy Physics, Alushta (Crimea), 2013*. Edited by L. Jenkovszky, D. Savchenko, G. Stelmakh (Kiev, 2013).
16. *New Trends in High-Energy Physics, Bečići (Montenegro), 2018* (Dubna, 2019).
17. *New Trends in High-Energy Physics, Odessa, 2019*. Edited by L. Jenkovszky, R. Schicker. *Ukr. J. Phys.* **64**, 541 (2019).

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