



Nurlan Amangeldi

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Scientific degree, title, scientific school:

Abai Kazakh National Pedagogical University, Ph.D.

Scientific interests:

"Investigation of the mechanisms of elastic interaction of oxygen ions with nuclei 1p shell at about barrier energies"

Professional experience:

2009 – till present - Lecturer of
International Department of Nuclear
Physics, Eurasian National
University;
2007-2009- Researcher of Low
Energy Nuclear Reactions of
Institute of Nuclear Physics of the
National Nuclear Center of the
Republic of Kazakhstan

Delivered courses: Nuclear Physics, Experimental methods of Nuclear Physics, Nuclear Reactions with Heavy Ions, Reactions with Neutrons and gamma-quanta, Nuclear experiment technology.

Publications (selected):

1. Amangeldi N., Burtebayev N., Sakuta S.B., Nassurlla Marzhan, Burtebayeva J., Maulen Nassurlla, Yergaliuly G., Sabidolda A., Rusek K., Trzcinska A., Wolinska-Cichocka M., Mauey B. "Study of elastic scattering of 10B ions on 12C nuclei at the energy of 17.5 MeV" // *Acta Physica Polonica B* . – 2020. – Vol. 51. – №. 3. –P. 757-762.
2. Nassurlla M., Burtebayev N., Janseitov D.M., Kerimkulov Z., Alimov D., Morzabayev A.K., Talpakova K., Mukhamejanov Y., Galanina L.I., Demyanova A.S., Danilov A.N., Starastin V. Study of elastic and inelastic scattering of deuterons by ⁹Be at energy E = 14.5 MeV // *Acta Physica Polonica B* – 2020. – Vol. 51. – №. 3. –P. 751-756
3. Nassurlla M., Burtebayev N., Sadykov T. Kh., Boztosun I., Amangeldi N., Alimov D., Kerimkulov Zh., Burtebayeva J., Nassurlla Maulen, Kurakhmedov A., Sakuta S.B., Karakoc M., Ibraheem Awad A., Kemper K.W., Hamada Sh. New measurements and reanalysis of 14N elastic scattering on 10B target // *Chinese Physics C*. – 2020. – Vol. 44. – №. 10. – P. 104103.
4. Philippov M. V., Makhmutov V.S., Stozhkov Yu.I., Maksumov O.S., Bazilevskaya G.A., Morzabaev A.K., Tulekov Ye.A. Characteristics of the ground-based «CARPET-ASTANA» instrument for detecting charged component of cosmic rays and preliminary analysis of the first experimental data // *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*. – 2020. – Vol. 959. – P. 163567.

In domestic journals:

1. Yergaliuly G., Morzabayev A.K., Amangeldi N., Boztosun I., Mauyey B., Bolat N., Tangirbergen A. Investigation of the contribution of exchange mechanisms to elastic scattering of ^{10}B on the ^{12}C nucleus // Bulletin of the Eurasian National University named after L.N. Gumilyov., Physics Series. Astronomy, - Nur-Sultan, 2020. - №2 (131) - pp. 17-22. <https://doi.org/10.32523/2616-6836-2020-131-2-17-22>

2. Yergaliuly G., Amangeldi N., Mauyey B., Soldatkhan D. Analysis of the elastic scattering of the ^9Be nucleus by ^{28}Si in the energy range 12-30 MeV in the framework of the optical model // Bulletin of the Eurasian National University. L.N. Gumilyov., Physics Series. Astronomy, - Nur-Sultan, 2020. - №2 (131) - pp. 87-91. <https://doi.org/10.32523/2616-6836-2020-131-2-87-91>