

Curriculum vitae

Shahnaz Taghiyeva

Junior Scientific Researcher



Academic career

Address

Mailing address: Baku city, Azerbaijan

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**Ministry of Science and Education Republic of
Azerbaijan Shamakhy Astrophysical Observatory
named after N.Tusi**

21 Feb. 2022

*Theoretical astrophysics and cosmology, Junior Scientific
Researcher*

**Ministry of Science and Education Republic of
Azerbaijan, Baku State University**

September 2018

Department of Theoretical Physics, teacher

Education

Baku State University, PhD

2017

Theoretical Physics

Baku State University, master's degree

2014 - 2016

High energy physics, (The honors diploma)

Baku State University, bachelor's degree

2010-2014

Physics teaching (The honors diploma)

Language

English – participated in 11 weeks of 4 Skills, Grammar, & Vocabulary hosted by the U.S. Department of the State's Virtual Educator regarding: the grammar, vocabulary, and writing expectations of academic research writing

Turkish - Fluent

Computer skills

Latex, Mathematica, Matlab (just started), Adobe Illustrator Microsoft office.

Publications

Channeling radiation of charged particles in crystals

Sh.I. Taghiyeva

XVII Republican Scientific Conference dedicated to the 92nd anniversary of the birth of National Leader Heydar Aliyev.

Channeling radiation of electrons in crystals

Sh.I. Taghiyeva, M.R.Racabov

International Conference dedicated to the 10th anniversary of the establishment of the Institute of Physics Problems of BSU, 25-26 December, 2015.

Radiation of electrons and positrons during axial channeling

Sh.I. Taghiyeva, M.R.Racabov

IV International Scientific Conference of Young Researchers, Qafqaz University, 29-30 April 2016.

A comparative study of channeling radiation

Sh.I. Taghiyeva

Baku State University, "Problems of Physics and Astronomy" of graduate students and young researchers, 19 May 2016.

Contributions of magnetic type interactions to the vector meson-nucleon coupling in the bottom-up approach

Shahin Mamedov, Shahnaz Taghiyeva.

The 6th International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, 11-13 July, 2018.

Review of interaction constant of vector meson-nucleon in the framework of AdS/QCD hard wall model

Sh.Mamedov, Sh.Tagiyeva

"Azerbaijan Journal of Physics", ISSN 1028-8546, Volume XXIV, Number 4, Section:En, December, 2018.

Meson-nucleon coupling constant from the AdS/QCD models

Sh.A.Mamedov, Sh.I.Taghiyeva
GESJ:PHYSICS, ISSN 1512-1461.

π meson- Λ baryon coupling constant in the hard-wall AdS/QCD model

Sh.A. Mamedov, Sh. I. Taghiyeva
Journal of Baku Engineering University, Physics.

Calculation of the pion-nucleon interaction constant in the hard wall model of AdS/KXD

Sh.I. Taghiyeva
"News of Baku State University", Series of Physical and Mathematical Sciences, 2020 №1.

Holographic calculation of the π meson-octet baryon coupling constant

Sh.A. Mamedov, Sh.I. Taghiyeva
ANAS, Institute of Radiation Problems, "Journal of Radiation Researches", ISSN 2312-300.

Contribution of the three some interaction Lagranjian to the constant of a_1 meson-nucleon interaction at finite temperature

Sh.A. Mamedov, Sh.I. Taghiyeva
"News of Baku State University", Series of Physical and Mathematical Sciences, 2021 №1.

a_1 meson-nucleon coupling constant at finite temperature from the soft-wall AdS/QCD model

Sh.A. Mamedov, Sh. I.Taghiyeva
The European Physical Journal C (2021) 81:1080.

Pauli form factor $N + \gamma^* \rightarrow R(1710)$ transition in the hard-wall AdS/QCD model

Taghiyeva Sh.
Baku State University, 7th International Conference MTP-2021: "Modern Trends in Physics"
December 15-17 2021.

Electromagnetic structure of the nucleon and the Roper resonance in hard wall AdS/QCD model

Shahnaz Taghiyeva, Shahin Mamedov
Journal of Holography Applications in Physics, Volume 3, Issue 1, Winter 2023.

**Seminars
and workshops**

В Международной Научной Дублинской Школе «Управление инновациями»

19-27 Сентября, 2017; Дубна Московская область

Cambridge University, Physics Society; Laws of Thermodynamics ,
Prof. Christopher Jarzynski

3 February 2021

PhD school and workshop Aspect of Symmetry

November 8-12, 2021

Holography@UdeC 2022;

Turkey Quantum Learns

Quantum Programming Preparation Workshop,

ATIT Physics Winter School 2022,

Young Researchers of Quantum Gravity

Baku State University, Institute of Physics Problems

02 March, 2023

Shamakhy Astrophysical Observatory

12 April, 2023

**Ministry of Science and Education of the Republic of
Azerbaijan, Institute of Physics**

11 May, 2023