

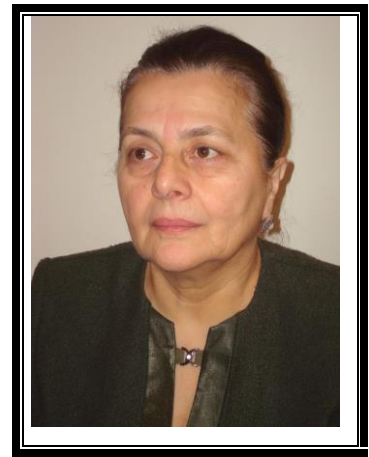
CV INFORMATION FORM

Niyal Barkhalova

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PERSONAL DATA

Barkhalova Niyal was born in 1946 in family of scientists. After finishing high school she entered to Physics faculty of the Azerbaijan State University and graduated in 1969 with diploma of honors. In 1970 she entered to post graduate study of the Institute of Physics of Academy of Sciences of Azerbaijan. Defended Ph.D. dissertation in 1978. She is working at department of "Structure of Matter" of Baku State University from 1976 to present day.

EDUCATION AND AKADEMIK

1978 candidate of sciences on "Theory of optical specters of magnetically ordered crystals of $MnCO_3$ and $FeCO_3$ "

COMPLETE PROFESSIONAL BACKGROUND

1970-1975: post graduate student of the Institute of Physics of Academy of Sciences of Azerbaijan; 1976- to present day "Structure of Matter" department of Baku State University; Teaching subjects: "Atomic physics", "Nuclear physics", "Optics"

Number of scientific articles-32

Awards- Was awarded with twice diploma of Baku State University.

PRESENT RESEARCH INTERESTS

Theoretical research of the scattering process nuclei with particles.

INTERNATIONAL CONFERENCES, SYMPOSIUMS

All-Union conference on physics of the magnetic phenomena, Baku, 1975.

"Actual problems of physics" III Republican scientific conference, Baku, 2004;

The polarization of the protons on high energy approximation. //Tpe-06 3-rd International Conference on Technical and Physical Problems in Power Engineering, 2006, Ankara, Turkey;

The diffraction dissociation at high energies. The fifth International Scientific and technical Conference, 2008;

II Republican conference «the Modern problems of physics», 2008.

The V international conference perspectives of peaceful use of nuclear energy. November 21-23, 2012, Baku, Azerbaijan.

The VIII CONFERENCE Radiation Researches and Their Practical Aspects, Baku, 2013.

Seventh Eurasian Conference Nuclear Science and Its Application, 2014, Baku.

IX International workshop on nuclear structure properties, 2016, Sivas, Türkiye.

International conference: modern trends in physics, 20-22 april 2017

LIST OF SELECTED PUBLICATIONS

1. An inelastic dispersion of protons on nucleus with the account of izospin dependences. "Actual problems of physics" III Republican scientific conference, Baku - February, 2004, p.13.
2. Polarization effects in (t, p) responses. Scientific News Sumqait of the State University, №2, 2005.
3. Application of a method of garbled waves to (t, p) to responses. The bulletin of the Baku University, №1, 2005.
4. The polarization of the protons on high energy approximation. Tpe-06 3 rd International Conference on Technical and Physical Problems in Power Engineering May 29-31, 2006, Ankara, Turkey.
5. Polarization effects in (p, p) dispersions., № 3, 2007, p. 150-155.
6. Dissosiation processes at high energies. The bulletin of the Baku University, 2008, №3.
7. The diffraction dissociation at high energies. The fifth International Scientific and technical Conference, 2008.
8. nn – рассеяние в кварковых кластерах. BDU-nun 90 illik yubileyinə həsr olunmuş Beynəlxalq Elmi Konfransın Materialları, Təbiət elmləri, 30-31 oktyabr 2009. s. 117-118.
9. Некогерентное рассеяние нейтронов на кристаллах. АМЕА Radiasiya Problemləri İnstitutu. İnstitutun 40 illik yubileyinə həsr olunmuş Beynəlxalq Konfrans, Noyabr 3-5,2009, səh.40-41
10. The polarization effects of the n- ^9Be neutron elastic scattering. АМЕА «Fizika» jurnalı № 1, cild 15, 2009, s.88-90.
11. The polarisation effects of the n ^{12}C neutron elastic scattering in high energy. Azerbaijan Journal of Physics Fizika, Volume XVI, Number 2 Series: En, June, 2010, p.478-480.
12. Упругое рассеяние протонов на ядрах при высоких энергиях. Bakı Universitetinin Xəbərləri Fiz.-riy.elm.ser.№ 2, 2010, s.144-147
13. Дифракция в адрон-адронных процессах при высоких энергиях. «Fizikanın müasir problemləri», IV Respublika Elmi Konfransının materialları, 24-25 dekabr 2010, s. 50-51.
14. Рассеяние протонов на ядрах с выбиванием нуклонных ассоциаций. Bakı Universitetinin Xəbərləri N 2, 2011, s.127-131.
15. Рассеяние нуклонов на ядрах с учетом сингулярного потенциала. Nüvə enerjisinin dinc məqsədlərlə istifadəsi perspektivləri. АМЕА-nın IV Beynəlxalq Konfransı. Bakı, 23-25 noyabr 2011, s.60.
16. Vibrational states as a representations of a $su(6)$ group. The V international conference perspectives of peaceful use of nuclear energy. November 21-23, 2012, Baku, Azerbaijan. p.66.
17. Кварковая модель в процессах с образованием нейтральных векторных мезонов. Вестники Бакинского Университета, N2, 2013, s.114-118.
18. Определение угла отклонения заряженной частицы во время прохождения через неоднородную ядерную среду. Akademik В.М.Əsgərovun 80 illik yubileyinə həsr olunmuş Fizikanın Aktual Problemləri. Beynəlxalq Elmi Konfransın Materialları, 6 dekabr 2013 il, səh. 13.
19. Нуклонные ассоциации в процессах рассеяния протонов на ядрах с учетом спин-орбитального взаимодействия. Вестник Бакинского Государственного Университета, №2. 2014, s.140-146.
20. Эйкональное приближение в теории рассеяния на нелокальном потенциале. Bakı Universitetinin Xəbərləri, Fiz.-riy. elm. seriyası, N 1, 2015, s.150-156.
21. S.G. Abdulvahabova, N.Sh. Barkhalova, T.O. Bayramova. Scattering of neutrons on fluctuations of the density of the thin films. IX. INTERNATIONAL WORKSHOP ON NUCLEAR STRUCTURE PROPERTIES, 2016, Sivas, Türkiye, p 74.
22. S.G.Abdulvahabova, N.Sh.Barkhalova, T.O. Bayramova. Scattering of neutrons on fluctuations of the density of the thin films. Cumhuriyet Science Journal, Vol.37, N 4, 2016, p.S1-S7
23. S.G. Abdulvahabova, N.Sh. Barkhalova, T.O. Bayramova. Scattering of neutrons on fluctuations of density of the matter. International conference: modern trends in physics, 20-22 april 2017, Baku p 44-45.
24. Рассеяние высокоэнергетического адрона на четно-четном ядре. Gəncə Dövlət

КНИГИ