

ПЕРСОНАЛЬНАЯ ИНФОРМАЦИЯ

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КОРОТКО О СЕБЕ

Родился 29 апреля 1964 года.

В 1982 году окончил среднюю школу №1 г. Билясувар.

ОБРАЗОВАНИЕ И УЧЕНЫЕ СТЕПЕНИ

- 2016: Доктор физических наук, 2212.01- теоретическая физика
- 1996: Кандидат физико-математических наук по специальности
"Теоретическая и математическая физика", "Изучение Инклюзивных и
Эксклюзивных Фоторождений Адронов в Некоторых Современных
Теориях"
Бакинский Государственный Университет
- 1992 - 1995: Физический факультет, кафедра теоретической физики,
Бакинский Государственный Университет, аспирант
- 1989: Высшее образование . (красный диплом)
Бакинский Государственный Университет
- 1982 - 1989: Физический факультет, Бакинский Государственный Университет, студент

ТРУДОВАЯ ДЕЯТЕЛЬНОСТЬ

- 26.09.2007-по настоящее время: Доцент кафедры теоретической физики, Бакинский
Государственный Университет
- 11.2005 – по настоящее время: Старший научный сотрудник, Институт Физических
Проблем, Бакинский Государственный Университет
- С 10.1997 по 11.2005: Старший научный сотрудник, Лаборатория Физики
Высоких Энергий, Бакинский Государственный
Университет
- С 02.1990 по 10.1997: Научный сотрудник, Лаборатория Физики
Высоких Энергий, Бакинский Государственный
Университет

НАУЧНЫЕ ИНТЕРЕСЫ

Пертурбативная квантовая хромодинамика, голографическая квантовая
хромодинамика, Феноменология суперсимметрии.

УЧАСТИЕ В МЕЖДУНАРОДНЫХ КОНФЕРЕНЦИЯХ, СИМПОЗИУМАХ И СЕМИНАРАХ

1. 09.07.2018-13.07.2018, The 32nd International Colloquium on Group Theoretical Methods in Physics (Group32)
2. 05.06. 2017 - 11.06. 2017, The XXVth International Colloquium on Integrable Systems (ISQS-25), Prague Czech Republic
3. 3-10 August, 2016, 38-th International conference on High Energy Physics (ICHEP2016), Chicago - USA.
4. 14.06. 2016- 18.06. 2016, The XXIVth International Colloquium on Integrable Systems (ISQS-24), Prague
5. 22.06. 2015-28.06. 2015, The XXIIIth International Colloquium on Integrable Systems (ISQS-23), Prague
6. 2008, October, Ankara, Turkey, The fifth Eurasian Conference on Nuclear Science and its Application.
7. 2007, April, Tehran, Iran; IPM String School and Workshop
8. 2005, July, Nathiagali, Pakistan; 30th International Nathiagali Summer College on Physics
9. 2003, June–July, ICTP, Trieste, Italy; Summer School on Particle Physics
10. 2003, September-October, Anzali, Iran; IPM String School and Workshop
11. 2002, April, Shiraz, Iran; IPM String School and Workshop
12. 2002, July, Nathiagali, Pakistan; 27th International Nathiagali Summer College on Physics
13. 2000, July, Burban, Pakistan; 25th International Nathiagali Summer College on Physics
14. 1998, July, ICTP, Trieste, Italy; Summer School in HEP and Cosmology
15. 1997, July, Islamabad, Pakistan; 22nd International Nathiagali Summer College on Physics
16. 1995, September, Serpukhov, Russia; VI Workshop on High Energy Spin Physics
17. 1993, September, Serpukhov, Russia; V Workshop on High Energy Spin Physics
18. 1992, November, Tabriz, Iran; Regional Conference on Mathematics and Theoretical Physics
19. 1991, September, Serpukhov, Russia; IV Workshop on High Energy Spin Physics

СПИСОК НЕКОТОРЫХ НАУЧНЫХ РАБОТ

1. **A. I. Ahmadov**, Maria Naeem, M.V.Qocayeva and V.A.Tarverdiyeva.
Analytical Bound State Solutions of the Schrödinger Equation for the Manning- Rosen plus Hulthén Potential Within SUSY Quantum Mechanics.
Int. J. Mod. Phys. A33, no.03, 1850021 (2018).
 2. **A. I. Ahmadov**, Maria Naeem, M.V.Qocayeva and V.A.Tarverdiyeva.
Analytical Solutions of the Schrödinger Equation for the Manning-Rosen plus Hulthén Potential Within SUSY Quantum Mechanics.
J. Phys. Conf. Ser. 965, no.1, 012001 (2018).
 3. Shi-Hai Dong, Ye-Jiao Shi, Guo-Hua Sun, Farida Tahir, **A. I. Ahmadov**, Bing He.
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Mod. Phys. Lett. A33, no.16, 1850088 (2018).

4. **A. I. Ahmadov**, C. Aydin, O. Uzun. Direct Photon Production in Pion-Proton Collisions.
Journal of Physics: Conf. Series 804, 012001 (2017).
 5. Abdel Magied Diab, **A. I. Ahmadov**, Abdel Nasser Tawfik and Eiman Abou El Dahab.
SU(4) Polyakov linear-sigma model at finite temperature and density. Published in PoS
ICHEP2016 (2016) 634; **Arxiv: nucl-th/1611.02693**
 6. M. Demirci and **A. I. Ahmadov**. Neutralino pair production via photon-photon collisions
at the ILC.
Phys. Rev. D. 94, 075025 (2016)
 7. A. I. Ahmadov, C. Aydin, R. Myrzakulov and O. Uzun. Higher-twist mechanism and
inclusive gluon production in pion-proton collisions.
J. Phys. Conf. Ser. 670 (2016) no.1, 012001
 8. **A. I. Ahmadov**, C. Aydin, R. Myrzakulov and O. Uzun. Higher-twist mechanism and
inclusive gluon production in pion-proton collisions.
Int. J. Modern. Phys. A30, 1550219 (2015).
 9. M. Demirci and **A. I. Ahmadov**. Search Neutralino Pair Production at CERN LHC.
Phys. Rev. D. 89, 075015 (2014).
 10. **A. I. Ahmadov**, C. Aydin and O. Uzun. Inclusive gluon production in pion-proton
collisions and the principle maximum conformality renormalization scale.
Phys. Rev. D. 89, 014018 (2014).
 11. **A. I. Ahmadov**, C. Aydin and O. Uzun, Analytical solutions of the Klein-Fock-Gordon
equation with the Manning-Rosen potential plus a Ring-Shaped like potential.
Int. J. Modern. Phys. A29, 1450002 (2014).
 12. **A. I. Ahmadov** and M. Demirci, Single neutralino production at the LHC.
Phys. Rev. D 88, 015017 (2013).
 13. **A. I. Ahmadov**, C. Aydin and O. Uzun, Higher Twist Effects in the Direct Photon
Production and the Role of Infrared Renormalons.
Phys. Rev. D 87, 014006 (2013).
 14. **A. I. Ahmadov** and M. Demirci, Electroweak Corrections to the Neutralino Pair
Production at CERN LHC.
Int. J. Modern Physics A28, 1350077 (2013).
 15. **A. I. Ahmadov**, C. Aydin and F. Keskin, Pion wave functions from holographic QCD and
the role of infrared renormalons in photon-photon collisions.
Phys. Rev. D 85, 034009 (2012).
 16. **A. I. Ahmadov**, C. Aydin and F. Keskin, Pion wave functions from holographic QCD
and the role of infrared renormalons in photon-photon collisions.
-

17. **A. I. Ahmadov**, Sh. M. Nagiyev and E. A. Dadashov, Meson production in proton-proton collisions in the naive non-abelianization approximation and the role of infrared renormalons,
Int. J. Mod. Phys. E21, No.2, 1250014 (2012).
 18. **A. I. Ahmadov** and R. M. Burjaliyev. The meson production in proton-proton collisions in next-to-leading order and infrared renormalons.
Int. J. Mod. Phys. E20, No.5, pp. 1243 -1270 (2011).
 19. **A. I. Ahmadov**, C. Aydin, E. A. Dadashov and Sh. M. Nagiyev, Single meson production in photon-photon collisions and infrared renormalons.
Phys. Rev. D 81, 054016 (2010).
 20. **A. I. Ahmadov**, C. Aydin, Sh. M. Nagiyev, Yilmaz A. Hakan and E. A. Dadashov. Infrared renormalons and single meson production in proton-proton collision.
Phys. Rev. D80, 016003 (2009).
 21. V. H. Badalov, H. I. Ahmadov, **A. I. Ahmadov**, Analytical solutions of the Shredinger equation with the Woods-Saxon potential for arbitrary l state.
Int. J. Mod. Phys. E18, No.3, pp.631-641 (2009).
 22. **A. I. Ahmadov**, I. Boztosun, A. Soylu and E. A. Dadashov, Higher twist effects in photon-photon collisions.
Int. J. Mod. Phys. E, Vol.17, No.6, pp.1041-1059 (2008).
 23. F. S. Sadykhov, Coskun Aydin and **A. I. Ahmadov**, High twist contributions, quantum chromodynamics, and inclusive meson photoproduction at large p_T .
News Baku State University ISSN 1609-0586, №4, pp.181-190 (2007).
 24. **A. I. Ahmadov**, I. Boztosun, R. Kh. Muradov, A. Soylu and E. A. Dadashov. Higher twist effects in proton-proton Collisions.
Int. J. Mod. Phys. E 15, No.6, pp.1209-1232 (2006).
 25. **A. I. Ahmadov**, I. Boztosun, R. Kh. Muradov, A. Soylu and E. A. Dadashov. Investigation of the neutralino pair production at LHC.
Int. J. Mod. Phys. E 15, No.6, pp.1183-1208 (2006).
 26. **A. I. Ahmadov**. Radiative production at the lightest neutralino in electron-positron Annihilation,
Physics of Atomic Nuclei, Vol.69, No.1, pp.54-61, (2006).
 27. R. Kh. Muradov and **A. I. Ahmadov**. Contribution of superstring Z' boson on the polarization effects in proton-proton collisions.
Central Eur. J. Phys., 3(3) , pp.433-455 (2005).
 28. **A. I. Ahmadov** and R. Kh. Muradov. Role of generalized Sullivan processes in semi-inclusive Σ production.
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29. **A. I. Ahmadov.** Radiative Production at the Lightest Neutralino in Electron-Positron Annihilation.

Russian Physics Journal, Vol.48, No.6, pp. 48-57 (2005).

30. **A. I. Ahmadov.** Radiative production at the lightest neutralino.

Physics of Particles and Nuclei Letters, Vol.2, No.2, pp.85-91 (2005).

31. R. Kh. Muradov, **A. I. Ahmadov**, Kh. M. Adilova. Nonperturbative corrections for deep inelastic scattering cross-section ratio $R = \sigma_L / \sigma_T$.

Baku State University News, ISSN 1609-0586, №2, pp.15-24 (2002).

32. R. Kh. Muradov, **A. I. Akhmedov**, R. M. Burjaliev Polarization effects in proton-proton Collisions. **Physics of Atomic Nuclei, Vol. 65, №7, pp.1352-1358 (2002),**

Translated from Yadernaya Fizika, Vol.65, №7, pp.1385-1391 (2002).

33. **A. I. Akhmedov**, R. Kh. Muradov, Single-transverse spin asymmetry in direct photon production, **I Eurasia Conference on Nuclear Science and its Application. 23 - 27 October, 2000, Izmir Turkey, pp.450-451.**

34. R. Kh. Muradov, **A. I. Akhmedov**, R. M. Burjaliev. Polarization effects at the proton-proton collisions, **I Eurasia Conference on Nuclear Science and its Application. 23-27 October, 2000, Izmir Turkey, pp.202-203.**

35. R. Kh. Muradov, **A. I. Akhmedov**, R. M. Burjaliev, Spin effects at the proton-proton Collisions.

Russian Physics Journal, Vol.43, №8, pp.95-103 (2000).

36. R. Kh. Muradov, **A. I. Akhmedov**, R. M. Burjaliev. The contribution of the sea quark and gluon in the spin of proton.

Russian Physics Journal, Vol.43, №8, pp.88-94 (2000).

37. R. Kh. Muradov, **A. I. Akhmedov**, R. M. Burjaliev. The process of inclusive electroproduction pseudoscalar meson on the proton: extracting contribution strange quark in the spin of proton.

Russian Physics Journal, Vol.43, №1, pp.21-25 (2000).

38. R. Kh. Muradov, **A. I. Ahmadov**, R. M. Burjaliev. Violation of the scaling in the deep inelastic electron-proton scattering.

News of Baku University, №3, pp.75-81 (2000).

39. F. S. Sadykhov, **A. I. Akhmedov**. QCD investigation of polarization effects in the inclusive photoproduction of SUSY Particles.

Physics of Atomic Nuclei Vol.38, №10, pp.1788-1790 (1995).

Translated from Yadernaya Fizika, Vol.58, №10, pp.1890 - 1893 (1995).

40. F. S. Sadykhov, **A. I. Akhmedov**. Production of supersymmetric quarks in photon-gluon Collisions.
-

Russian Physics Journal, Vol.38, №8, pp. 808-810 (1995).

41. F. S. Sadykhov, **A. I. Akhmedov**. Photoformation Supersymmetric particles in deep inelastic scattering of photons by protons.

Russian Physics Journal, Vol. 38, №7, pp.713-716 (1995).

42. F. S. Sadykhov, **A. I. Akhmedov**. Quantum chromodynamic investigation of polarization effects in inclusive photoproduction of supersymmetric particles.

Russian Physics Journal, Vol. 38, №6, pp.646-649 (1995).

43. F. S. Sadykhov, **A. I. Akhmedov**. Contribution of high-order twists to the inclusive photoproduction process of mesons with large p_T .

Russian Physics Journal, Vol. 38, №5, pp. 513-518 (1995).

44. **A. I. Akhmedov**. Inclusive photoproduction of the large $-p_T$ mesons and contributions High-twist, Regional Conference on Mathematics and Theoretical Physics. Tabriz, Iran. 22-25 November 1992.

УЧАСТИЕ В ГОСУДАРСТВЕННЫХ И МЕЖДУНАРОДНЫХ ПРОГРАММАХ И ГРАНТЫ

1. Science and Education Integration Grant for one year (2018-2019) from Science Development Foundation Under the President of the Republic of Azerbaijan
2. 30.10. 2017- 30.11. 2017, Visitor CERN, Theoretical Physics Department
3. 18-30 July, 2016 Invited Speaker 41st International Nathiagali Summer College on Physics and Contemporary Needs, Islamabad, Pakistan
4. 30.09.2015 - 01.11. 2015. Visitor CERN, Theoretical Physics Department
5. 30 October 2014 - 30 January 2015 DAAD Grant, Wuppertal University Germany
6. 24 June - 3 July 2014. Invited Professor ETTORRE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE, International School of Subnuclear Physics, ERICE, Italy
7. 2013 September-2020 October. Associate, Theory Division, CERN, Geneva.
8. 2013. September-October, Theory Division, CERN, Geneva, Visitor
9. 2012. July-December, Trabzon, Turkey, TUBITAK Grant-2221, Karadeniz Technical University
10. 2011. July-October, Trabzon, Turkey, TUBITAK Grant-2221, Karadeniz Technical University
11. 2010, September-October, Theory Division, CERN, Geneva, Visitor
12. 2010, 05 July-05 September, ICTP, Trieste, Italy, Visitor
13. 2009, July-August, Theory Division, CERN, Geneva, Visitor
14. 2009, September- December, Aachen, Germany; Aachen University, DAAD Grant
15. 2008, Government Grant of Pakistan
16. 2006, January – July, Kayseri, Turkey; TUBITAK Grant-2221, Erciyes University

17. 2006, October-December, Bonn, Germany; Bonn University, DAAD Grant

18.2004, January-2007 December; NATO Reintegration Grant-980779

19. 2002, September- December, Wuppertal University Wuppertal, Germany; DAAD Grant