



Shahin Atashbar Tehrani

🌐 Nationality: persian
🏠 Nov.09.1966
📍 on a IPM and Persian Gulf University
📅 date: June 5, 2026
📄 CV
🎓 Titles: Dr. Shahin Atashbar Tehrani
🗣 Languages: Persian A2, English B2.

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📍 Iran-Tehran
📄 <https://inspirehep.net/authors/1039092>
📄 <https://github.com/atashbart>
📄 <https://orcid.org/0000-0002-9279-499X>
📄 <https://civilica.com/p/424273/>

MY PUBLICATION

1. **"Machine Learning for Predicting the Proton Structure Function F_2^p in QCD,"**
S. Atashbar Tehrani, E. Astaraki and F. Arbabifar
larXiv:2606.06414 [hep-ph]. HEP entry
2. **"New analysis for Nucleon Form Factors from GPDs,"**
F. Arbabifar, N. Morshedien and S. Atashbar Tehrani,
larXiv:2605.14083 [hep-ph]. HEP entry
3. **"Valence densities and Chebyshev polynomials: nonsinglet structure function up to N^3 LO accuracy and related sum rules,"**
H. Nematollahi, M. M. Yazdanpanah, A. Mirjalili and S. Atashbar Tehrani.,
DOI: 10.1140/epja/s10050-025-01706-2
Eur. Phys. J. A **61**, no.10, 231 (2025) HEP entry
4. **"Investigating the Properties of Molybdenum Disulfide Semiconductors Using Quantum Espresso Software"**
Shahin Atashbar Tehrani, Salimeh Kimiagar.,
DOI: 10.30501/jamt.2025.510618.1323
Journal of Advanced Materials and Technologies 14, 55-63 (2025)
JAMT JAMT entry
5. **"Impact of higher twist effects on determining the polarized parton distribution functions using Gegenbauer polynomials,"**
Hamed Abdolmaleki, Abolfazl Mirjalili, Reyhaneh Farashaeian, S. Mohammad Moosavi Nejad, Javad Sheibani, Shahin Atashbar Tehrani.,
DOI:10.1140/epjp/s13360-025-06531-6
Eur. Phys. J. Plus **140**, 616 (2025) HEP entry
6. **"Nucleon form factors from generalized parton distributions,"**
Leila Ghasemzadeh, Pegah YarAahmadi Sartipi, Fatemeh Arbabifar, Nader Morshedien, and Shahin Atashbar Tehrani.,
DOI:10.1103/PhysRevC.111.025203
Phys. Rev. C **111**, 025203 (2025)
larXiv:2501.16279 [hep-ph]. HEP entry
7. **"Density of States and Electronic Structure of InSb with QUANTUM ESPRESSO Computational Approach"**
Shahin Atashbar Tehrani, Nader Morshedien.,
DOI: 10.30501/jamt.2025.485779.1309
Journal of Advanced Materials and Technologies 13, 75-81 (2025)
JAMT JAMT entry
8. **"AAK24: Global QCD analysis on polarized parton distribution in the presence of A_2 asymmetry measurements,"**
S. Atashbar Tehrani, Fatemeh Arbabifar and Hamzeh Khanpour.,
DOI: 10.1140/epjp/s13360-024-05601-5
Eur. Phys. J. Plus 139, 834 (2024).
larXiv: 2408.16552 [hep-ph]. HEP entry
9. **"Study of electrical property of single crystal InSb"**
Shahin Atashbar Tehrani, Nader Morshedien.,
DOI: 10.30501/jamt.2024.447841.1298
Journal of Advanced Materials and Technologies 13, 53-62

EMPLOYMENT

2019-present	IPM TEHRAN · Iran 📍 (School of Particles and Accelerator).	
2007-2008	Semnan University SEM NAN · Iran 📍 (Physic Department)	
2000-2007	Persian Gulf University BUSHEHR · Iran 📍 (Physic Department).	
2002-2007	Payame Noor University BUSHEHR · Iran 📍 (Physic Department).	
1998-2013	IPM TEHRAN · Iran 📍 (School of Particles and Accelerator).	
1998-2000	Azad University TEHRAN · Iran 📍 (Physic Department).	
1995-1997	Payame Noor University TEHRAN · Iran 📍 (Physic Department).	
1991-1994	MERC KARAJ · Iran 📍 (Materials and Energy research Center).	

تعلیمات فیزیک ذرات و شتابان

دانشگاه سمنان

دانشگاه خلیج فارس

تعلیمات فیزیک ذرات و شتابان

پژوهشگاه مواد و انرژی

(2024)

JAMT JAMT entry

10. **"Self-Similar Properties of the Proton Structure at Low x within the xFitter framework,"**
S. Atashbar Tehrani, F. T. Shahri and S. S. Mohsenabadi.,
DOI:10.22128/jhap.2024.816.1079
JHAP 4, 27 (2024)
[arXiv:2405.04187 [hep-ph]]. HEP entry
11. **"QCD analysis of $x F_3$ structure functions in deep-inelastic scattering: Mellin transform by Gegenbauer polynomial up to $N^3\text{LO}$ approximation,"**
F. Arbabifar, N. Morshednian, L. Ghasemzadeh and S. Atashbar Tehrani.,
DOI:10.1103/PhysRevC.109.055204
Phys. Rev. C **109**, no.5, 055204 (2024)
[arXiv:2404.17526 [hep-ph]]. HEP entry
12. **"Effect of symmetry breaking of polarized light sea quarks on the nucleon and nuclear structure functions, and sum rules,"**
F. Arbabifar, S. Atashbar Tehrani and H. Khanpour.
DOI:10.1103/PhysRevC.108.035203
Phys. Rev. C **108**, 035203, (2023)
[arXiv:2308.10300 [hep-ph]]. HEP entry
13. **"Recent data analysis to revisit the spin structure function of nucleon in Laplace space,"**
H. Nematollahi, A. Mirjalili and Shahin. Atashbar Tehrani.
DOI:10.1103/PhysRevD.107.054033
Phys. Rev. D **107**, 054033 (2023)
[arXiv:2303.01853 [hep-ph]]. HEP entry
14. **"Proton structure functions at low x : the Fractal approach,"**
S. Shoeibi Mohsenabadi, S. Atashbar Tehrani and F. Taghavi-Shahri.,
DOI:10.1142/S0217751X23501361
Int.J.Mod.Phys.A **38** (2023) 25, 2350136
arXiv:2112.03373 [hep-ph] HEP entry
15. **"Heisenberg uncertainty and maximum entropy principles in a quark-parton model: Comparison with a statistical approach,"**
Abolfazl Mirjalili, Sedigheh Khosravi Kia, and Shahin Atashbar Tehrani.,
prepare for submit for epjc
16. **"The effect of light sea quark symmetry breaking on polarized nucleus and sum rules,"**
Fateme Arbabifar, Shahin. Atashbar Tehrani.
DOI:10.22323/1.414.1170
PoS(ICHEP2022)1170.
[arXiv:2207.13044 [hep-ph]]. HEP entry
17. **"The effect of decomposition of light polarized sea quarks on ^3He and ^3H nucleuses"**
Fateme Arbabifar, Shahin. Atashbar Tehrani.
DOI:10.24200/NST.2022.1106.1733
J. of Nucl. Sci. and Tech. **44**, 10 (2023). jonsat entry
18. **"Nucleon spin structure functions, considering target mass correction and higher twist effects at the NNLO accuracy and their transverse momentum dependence,"**
A. Mirjalili and S. Atashbar Tehrani.
DOI:10.1103/PhysRevD.105.074023
Phys. Rev. D **105**, 074023 (2022)
[arXiv:2203.13904 [hep-ph]] HEP entry
19. **"Impacts of EMC effects on the D meson modification factor in equilibrating QGP,"**
J. Sheibani, A. Mirjalili, K. Javidan, R. Gharaei and S. Atashbar Tehrani.
DOI:10.1140/epjp/s13360-022-02966-3
Eur. Phys. J. plus **137**, 807,(2022)
[arXiv:2109.05597 [hep-ph]]. HEP entry
20. **"Analytical perturbation theory and Nucleon structure function in infrared region,"**
L. Ghasemzadeh, A. Mirjalili and S. Atashbar Tehrani.
DOI:10.1103/PhysRevD.104.074007
Phys. Rev. D **104**, 074007 (2021)
arXiv:2109.02372 [hep-ph] HEP entry
21. **"Nuclear parton distribution functions with uncertainties in the general mass variable flavor number scheme"**
H. Khanpour, M. Soleymaninia, S. Atashbar Tehrani, H. Spiesberger and V. Guzey.
DOI:10.1103/PhysRevD.104.034010

EDUCATION AND QUALIFICATIONS

1994-2000

Ph.D (Physic Department)

TEHRAN · Iran 📍

Amirkabir University of Technology:
Tehran, Tehran, IR.



1990-1993

Master (Physic Department)

TEHRAN · Iran 📍

University of Tehran: Tehran, Tehran, IR



1985-1990

Bachelor (Physic Department)

KERMAN · Iran 📍

Shahid Bahonar University of Kerman:
Kerman, Kerman, IR.



★★★★★

Os Windows ...

★★★★★

Os Linux

★★★★★

Office

★★★★★

Mathematica,

★★★★★

Latex,

☆☆★★★★

Fortran

☆☆★★★★

Matlab

☆☆★★★★

Maple

☆☆★★★★

Python

☆☆★★★★

Machine Learning

☆☆★★★★

root

☆☆★★★★

c++

☆☆★★★★

minuit

☆☆★★★★

iminuit

☆☆★★★★

xfitter

☆☆★★★★

Gromacs

☆☆★★★★

MCNP

☆☆★★★★

globes

☆☆★★★★

Ramses

☆☆★★★★

Pluto

☆☆★★★★

Pencil

☆☆★★★★

Fargo3D

☆☆★★★★

Multi for Laser

☆☆★★★★

Quntum Espresso

☆☆★★★★

Silvaco

☆☆★★★★

Scaps

☆☆★★★★

Geant4

☆☆★★★★

COMSOL

☆☆★★★★

USPEX

☆☆★★★★

SAP90

☆☆★★★★

Origin

☆☆★★★★

Sigma Plot

☆☆★★★★

TecPlot

☆☆★★★★

xmgrace

☆☆★★★★

PVsyst

☆☆★★★★

PVSOL

☆☆★★★★

Visual Studio

☆☆★★★★

VMD,MOE,BIOVIA

☆☆★★★★

VMware,VirtualBox

☆☆★★★★

Joomla

☆☆★★★★

Wordpress

Phys. Rev. D **104**, 034010 (2021)
arXiv:2010.00555 [hep-ph] HEP entry

22. **"Improved determination of strange distribution function from the global analysis using BHPS model"**
M. Salajegheh, S. M. Moosavi Nejad and S. Atashbar Tehrani.
DOI:10.1007/s00601-021-01601-8
Few Body Syst. **62**, no.2, 16 (2021)
arXiv:2103.13776 [hep-ph]. HEP entry
23. **"Polarized parton distribution functions: parametrization and transverse momentum dependence"**
H. Nematollahi, P. Abolhadi, S. Atashbar, A. Mirjalili and M. M. Yazdanpanah.
DOI:10.1140/epjc/s10052-020-08810-1
Eur. Phys. J. C **81**, no. 1, 18 (2021). HEP entry
24. **"Collisional and Radiative Energy Loss in QED and QCD Plasmas"**
Javad Sheibani, Abolfazl Mirjalili, Kurosh Javidan, Reza Gharaei, Shahin Atashbar Tehrani.
DOI:10.22128/IJAA.2020.426.1090
Iranian Journal of Astronomy and Astrophysics **7**, 99-106 (2020). jonsat entry
25. **"QCD analysis of non-singlet structure functions at NNLO accuracy, based on the Laplace transform"**
S. Mohammad Moosavi Nejad, M. Salajegheh, A. Mirjalili and S. Atashbar Tehrani.
arXiv:1904.03439 [hep-ph]
DOI:10.1140/epjp/s13360-020-00490-w
Eur. Phys. J. Plus **135**, no. 6, 477 (2020) HEP entry
26. **"Structure and tidal deformability of a hybrid star within the framework of the field correlator method"**
S. Khanmohamadi, H. R. Moshfegh and S. Atashbar Tehrani.
arXiv:2006.01019 [hep-ph]
DOI:10.1103/PhysRevD.101.123001
Phys. Rev. D **101**, 123001 (2020) HEP entry
27. **"Parton and Valon Distributions in the Nuclei"**
J. Sheibani, A. Mirjalili and S. Atashbar Tehrani.
DOI:10.1007/s10773-020-04423-2
Int. J. Theor. Phys. **59**, no. 5, 1553 (2020). HEP entry
28. **"Hybrid star within the framework of a lowest-order constraint variational method"**
S. Khanmohamadi, H. R. Moshfegh and S. Atashbar Tehrani.
arXiv:1907.12029 [nucl-th]
DOI:10.1103/PhysRevD.101.023004
Phys. Rev. D **101**, 023004 (2020) HEP entry
29. **"Nonsinglet polarized nucleon structure function in infrared-safe QCD"**
L. Ghasemzadeh, A. Mirjalili and S. Atashbar Tehrani.
arXiv:1906.01606 [hep-ph]
DOI:10.1103/PhysRevD.100.114017
Phys. Rev. D **100**, no. 11, 114017 (2019) HEP entry
30. **"NNLO charmed-meson fragmentation functions and their uncertainties in the presence of meson mass corrections"**
M. Salajegheh, S. M. Moosavi Nejad, M. Soleymaninia, H. Khanpour and S. Atashbar Tehrani.
arXiv:1904.09832 [hep-ph]
DOI:10.1140/epjc/s10052-019-7521-x
Eur. Phys. J. C **79**, no. 12, 999 (2019) HEP entry
31. **"Study of Polarized Structure Functions of ^3He and ^3H in NNLO Approximation"**
H. Khanpour, S. Taheri Monfared, S. Atashbar Tehrani.
DOI:10.24200/NST.2018.1043
J. of Nucl. Sci. and Tech. **39**, 9 (2018). jonsat entry
32. **"Next-to-Next-to-Leading Order Calculation of Valence Quark Polarization in the Valon Model"**
F. Taghavi-Shahri, Z. A. Yazdi and S. Atashbar Tehrani.
DOI:10.1007/s10773-018-3920-2
Int. J. Theor. Phys. **58**, no. 1, 157 (2019). HEP entry
33. **"EMC effect in the next-to-leading order approximation based on the Laplace transformation"**
J. Sheibani, A. Mirjalili and S. Atashbar Tehrani.
arXiv:1809.05728 [hep-ph]
DOI:10.1103/PhysRevC.98.045211
Phys. Rev. C **98**, 045211 (2018) HEP entry
34. **"Nuclear Parton Distribution Functions (nPDFs) and Their Uncertainties in the LHC Era"**
S. Atashbar Tehrani.
DOI:10.18502/ken.v3i1.1758
KnE Energ. Phys. **3**, 297 (2018). HEP entry

INVITED POSITION

- | | |
|------|--|
| 2011 | The eighteenth CTEQ Summer School on QCD Analysis and Phenomenology
WISCONSIN · USA 📍
Southern Methodist University |
| 2023 | CERN Foundation
GENEVE · SZ 📍
Theory division of CERN |
| 2024 | CERN Foundation
GENEVE · SZ 📍
Theory division of CERN |
| 2025 | CERN Foundation
GENEVE · SZ 📍
Theory division of CERN |



TALKS

- | | |
|------|---|
| 2004 | Menu 2004 (China)(2004) <i>Menu 2004</i> |
| 2005 | QCD05 (France)(2005) <i>QCD05</i> |
| 2007 | MENU2007 (Germany)(2007) <i>MENU2007</i> |
| 2007 | UAECERN Workshop2007(AIEAin)(2007) <i>UAECERN Workshop2007</i> |
| 2008 | LEAP08 (Austria)(2008) <i>LEAP08</i> |
| 2008 | Signaling the Arrival of the LHC Era (Italy)(2008) <i>LHC Era</i> |
| 2009 | GHP2009 The Third workshop of the APS Topical Group in Hadron Physics GHP 2009 <i>GHP 2009</i> |
| 2010 | MENU 2010 12th International Conference on MesonNucleon Physics and the Structure of the Nucleon (USA) <i>MENU 2010</i> |
| 2011 | GHP2011 The 4th Workshop of the APS Topical Group on Hadronic Physics GHP 2011 <i>GHP 2011</i> |
| 2011 | Lightcone2011 (USA) Lightcone2011 <i>Lightcone2011</i> |

PERSONAL WEB SITE

1. <http://www.ipm.ac.ir/personalinfo.jsp?PeopleCode=IP0300117>
2. <http://www.linkedin.com/pub/shahin-atashbar-tehrani/48/461/481>
3. <http://orcid.org/0000-0002-9279-499X>
4. <https://www.webofscience.com/wos/author/record/C-4291-2016>
5. <https://www.scopus.com/authid/detail.uri?authorId=55664598400>
6. <https://scholar.google.com/citations?user=uzAqK-wAAAAJ&hl=en>
7. <https://inspirehep.net/authors/1039092>
8. <https://civilica.com/p/424273/>

LIST OF CONFERENCES ATTENDED IN IRAN

1. |Physic Confrences 1382 Azarbaijan University Tarbiat Moallem (Tabriz)

35. **"Analytical approaches to the determination of spin-dependent parton distribution functions at NNLO approximation"**
M. Salajegheh, S. M. Moosavi Nejad, M. Nejad, H. Khanpour and S. Atashbar Tehrani.
arXiv:1801.04471 [hep-ph]
DOI:10.1103/PhysRevC.97.055201
Phys. Rev. C **97**, 055201 (2018) HEP entry
36. **"Sivers effect in single spin asymmetry based on the covariant parton model"**
H. M. Saffar, A. Mirjalili, S. Atashbar Tehrani and M. M. Yazdanpanah.
DOI:10.1142/S0217751X17501767
Int. J. Mod. Phys. A **32**, no. 28n29, 1750176 (2017). HEP entry
37. **"Study of spin-dependent structure functions of ^3He and ^3H at NNLO approximation and corresponding nuclear corrections"**
H. Khanpour, S. T. Monfared and S. Atashbar Tehrani.
arXiv:1710.05747 [hep-ph]
DOI:10.1103/PhysRevD.96.074037
Phys. Rev. D **96**, no. 7, 074037 (2017) HEP entry
38. **"Sivers effect and the spin asymmetry in meson production"**
H. Mahdizadeh Saffar, A. Mirjalili, M. M. Yazdanpanah and S. Atashbar Tehrani.
DOI:10.1016/j.nuclphysbps.2016.12.010
Nucl. Part. Phys. Proc. **282-284**, 48 (2017). HEP entry
39. **"Analytic derivation of the next-to-leading order proton structure function $F_2^p(x, Q^2)$ based on the Laplace transformation"**
H. Khanpour, A. Mirjalili and S. Atashbar Tehrani.
arXiv:1601.03508 [hep-ph]
DOI:10.1103/PhysRevC.95.035201
Phys. Rev. C **95**, no. 3, 035201 (2017) HEP entry
40. **"QCD analysis of nucleon structure functions in deep-inelastic neutrino-nucleon scattering: Laplace transform and Jacobi polynomials approach"**
S. M. Moosavi Nejad, H. Khanpour, S. Atashbar Tehrani and M. Mahdavi.
arXiv:1609.05310 [hep-ph]
DOI:10.1103/PhysRevC.94.045201
Phys. Rev. C **94**, no. 4, 045201 (2016) HEP entry
41. **"Fragmentation functions of neutral mesons π^0 and k^0 with Laplace transform approach"**
F. Taghavi-Shahri, S. Atashbar Tehrani and M. Zarei.
DOI:10.1142/S0217751X16501001
Int. J. Mod. Phys. A **31**, no. 17, 1650100 (2016). HEP entry
42. **"Next-to-next-to-leading order QCD analysis of spin-dependent parton distribution functions and their uncertainties: Jacobi polynomials approach"**
F. Taghavi-Shahri, H. Khanpour, S. Atashbar Tehrani and Z. Alizadeh Yazdi.
arXiv:1603.03157 [hep-ph]
DOI:10.1103/PhysRevD.93.114024
Phys. Rev. D **93**, no. 11, 114024 (2016) HEP entry
43. **"Global Analysis of Nuclear Parton Distribution Functions and Their Uncertainties at Next-to-Next-to-Leading Order"**
H. Khanpour and S. Atashbar Tehrani.
arXiv:1601.00939 [hep-ph]
DOI:10.1103/PhysRevD.93.014026
Phys. Rev. D **93**, no. 1, 014026 (2016) HEP entry
44. **"Fragmentation functions of the pion, kaon, and proton in the NLO approximation: Laplace transform approach"**
M. Zarei, F. Taghavi-Shahri, S. Atashbar Tehrani and M. Sarbishei.
arXiv:1601.02815 [hep-ph]
DOI:10.1103/PhysRevD.92.074046
Phys. Rev. D **92**, no. 7, 074046 (2015) HEP entry
45. **"Nuclear dynamics in the EMC effect at Next-to-Next-to-Leading order"**
S. Atashbar Tehrani and H. Mouji.
arXiv:1401.7630 [hep-ph] HEP entry
46. **"NLO analytical solutions to the polarized parton distributions, based on the Laplace transformation"**
S. Atashbar Tehrani, F. Taghavi-Shahri, A. Mirjalili and M. M. Yazdanpanah.
DOI:10.1103/PhysRevD.87.114012, 10.1103/PhysRevD.88.039902
Phys. Rev. D **87**, no. 11, 114012 (2013), Erratum: [Phys. Rev. D **88**, no. 3, 039902 (2013)]. HEP entry
2. | Physic Conferences 1383 Abbaspour University of Technology (Tehran)
3. | Physic Conferences 1384 Lorestan University (Khoram Abad)
4. | Physic Conferences 1385 Shahrood University of Technology (Shahrood)
5. | Physic Conferences 1386 Yasouj University (Yasouj)
6. | Physic Conferences 1387 Kashan University (Kashan)
7. | Physic Conferences 1388 Isfahan University of Technology (Isfahan)
8. | Physic Conferences 1389 Bu Ali Sina University (Hamedan)
9. | Physic Conferences 1390 Oromieh University (Oromieh)
10. | Physic Conferences 1391 Yazd University (Yazd)
11. | Physic Conferences 1392 Birjand University (Birjand)
12. | Physic Conferences 1401 Sistan Balochestan University (Zahedan)
13. | Work Shop for Cyclotron Tehran University 2012.07.17
14. | Work Shop Statistical Mechanic Tehran University 2012.12.13
15. | Sixth Statistical Mechanic Conferences (12 December 2013) | Shahid Beheshti University
16. | Fourth Conference on Physics of Particles and Fields | (16-17 Feb. 2014) 2-3 Bahman 1392 Azad Islamic University
17. | 9th Conference on Physics of Particles and Fields | (24-25) Bahman 1397 Yazd University
18. | 10th Conference on Physics of Particles and Fields | (25-27) Shivar 1399 Qom University
19. | 11th Conference on Physics of Particles and Fields | (29-30) Ordibehesh 1400 Sharif University
20. | 12th Conference on Physics of Particles and Fields | (28-29) Ordibehesht 1401 Sharood University
21. | 13th Conference on Physics of Particles and Fields | (18-19) Bahman 1401 Ferdosi Mashhad University
22. | National gathering of Iranian physics 1402 | 14 Dey 1402 Tehran University
23. | 14th Conference on Physics of Particles and Fields | (25-26) Bahman 1402 Shiraz University
24. | 15th Conference on Physics of Particles and Fields | (17-18) Bahman 1403 Tehran University
25. | Iran National Physics Meeting 1403 | 6 Dey 1403 Tehran University
26. | Physic Conferences 1404 Yasoj university Yasoj

IPM CONFERENCES

1. | 14th Spring Theoretical Physics Conference | Institute for Studies in Theoretical Physics and Mathematics (2007)
2. | 15th Spring Theoretical Physics Conference Institute for Studies in | Theoretical Physics and Mathematics (2008)
3. | 16th Spring Theoretical Physics Conference | Institute for Research in Fundamental Sciences (2009)
4. | 17th Spring Physics Conference Institute for Research in | Fundamental Sciences (IPM) (2010)
5. | First IPM meeting on LHC Physics (2009)
6. | Advanced school on Recent Progress in Condensed Matter Physics 27-28 June 2012 (7-8 Tir 1391)
7. | 20th IPM Physics Spring Conference May 22-23, 2013 (1-2 Khordad 1392)
8. | One Day Workshop on New Results at the CMS Experiment
9. | [with Emphasis on the Higgs Boson December 27, 2012]
10. | Third Conference on Physics of Particles and Fields January 27-28, 2013
11. | Advanced school on recent progress in strongly correlated systems 25-26 September 2013
12. | Workshop on Electronic Properties of MoS₂ (2 October 2013) 10 Mehr 1392
13. | 29th IPM Physics Spring Conference May 11-12 2022 (21-22 Ordibehesht 1401)

47. **"Nuclear parton densities and their uncertainties at the next-to-leading order"**
S. Atashbar Tehrani.
DOI:10.1103/PhysRevC.86.064301
Phys. Rev. C **86**, 064301 (2012). HEP entry
48. **"Symmetry breaking effect on determination of polarized and unpolarized parton distributions"**
F. Arbabifar, A. N. Khorramian, H. Khanpour and S. Atashbar Tehrani.
arXiv:1208.5234 [hep-ph]
DOI:10.1016/j.nuclphysbps.2012.11.016
Nucl. Phys. Proc. Suppl. **234**, 66 (2013) HEP entry
49. **"New parton distributions in fixed flavour factorization scheme from recent deep-inelastic-scattering data"**
H. Khanpour, A. N. Khorramian and S. Atashbar Tehrani.
arXiv:1205.5194 [hep-ph]
DOI:10.1088/0954-3899/40/4/045002
J. Phys. G **40**, 045002 (2013) HEP entry
50. **"Parton distribution functions from QCD analysis of HERA combined inclusive e^+p scattering cross section data"**
H. Khanpour, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1007/s00601-011-0293-y
Few Body Syst. **52**, 279 (2012). HEP entry
51. **"The study of heavy contribution in diffractive parton distribution functions"**
S. Taheri Monfared, A. Khorramian and S. Atashbar-Tehrani.
DOI:10.1088/1742-6596/347/1/012018
J. Phys. Conf. Ser. **347**, 012018 (2012). HEP entry
52. **"Uncertainties on diffractive parton distribution functions from fit to the HERA data"**
S. Taheri Monfared, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.3204/DESY-PROC-2012-02/52 HEP entry
53. **"Polarized structure functions in nuclear matter"**
S. Atashbar Tehrani, A. N. Khorramian, S. Taheri Monfared and F. Arbabifar.
DOI:10.1063/1.3647166
AIP Conf. Proc. **1374**, 391 (2011). HEP entry
54. **"A Global Analysis of Diffractive Events at HERA"**
S. T. Monfared, A. N. Khorramian and S. Atashbar Tehrani.
arXiv:1109.0912 [hep-ph]
DOI:10.1088/0954-3899/39/8/085009
J. Phys. G **39**, 085009 (2012) HEP entry
55. **"Spin dependence of structure functions and target mass corrections"**
S. Taheri Monfared, A. Khorramian, S. Atashbar Tehrani and Z. Haddadi.
DOI:10.1016/j.nuclphysbps.2010.12.059
Nucl. Phys. Proc. Suppl. **210-211**, 125 (2011). HEP entry
56. **"Spin-dependent structure function of He-3 and H-3"**
F. Arbabifar, A. N. Khorramian, S. Taheri Monfared and S. Atashbar Tehrani.
DOI:10.1142/S0217751X11052244
Int. J. Mod. Phys. A **26**, 625 (2011). HEP entry
57. **"Determination of the strong coupling constant from NLO QCD analysis of proton structure function"**
H. Khanpour, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1142/S0217751X11052396
Int. J. Mod. Phys. A **26**, 658 (2011). HEP entry
58. **"QCD analysis of the diffractive longitudinal structure functions"**
S. Taheri Monfared, A. N. Khorramian and S. Atashbar Tehrani.
PoS EPS -HEP2011, 438 (2011). HEP entry
59. **"KKT11 PDFs from NLO analysis of deep-inelastic world data"**
H. Khanpour, A. N. Khorramian and S. Atashbar Tehrani.
PoS EPS -HEP2011, 443 (2011). HEP entry
60. **"Polarized Deeply Inelastic Scattering (DIS) Structure Functions for Nucleons and Nuclei"**
A. N. Khorramian, S. Atashbar Tehrani, S. Taheri Monfared, F. Arbabifar and F. I. Olness.
arXiv:1011.4873 [hep-ph]
DOI:10.1103/PhysRevD.83.054017
Phys. Rev. D **83**, 054017 (2011) HEP entry
61. **"Nucleon/nuclei polarized structure function, using Jacobi polynomials expansion"**
A. Mirjalili, M. M. Yazdanpanah, F. Taghavi-Shahri and S. Atashbar Tehrani.
DOI:10.1088/1674-1137/34/9/093
Chin. Phys. C **34**, no. 9, 1534 (2010). HEP entry
14. |IRCHEP 1402 Iranian Conference on High Energy Physics Deciphering the Universe Ciphers School of Physics, IPM 15-17 November, 2023 (29 Aban-1 Azar,1402)|
15. |School of High Energy Physics, IPM 20-22 November, 2023 (24-26 Aban,1402)|
16. |Four Lectures on Ads Black Holes and Their Micro states 25-28 November 2023(4-7 Azar)|
17. |High energy physics workshop (10-11 Esfand 1402)|
18. |HEPco Physics School (30 Farvardin-1403)|
19. |31th IPM Physics Spring Conference (26 ordibesht -1403)|
20. |High energy physics workshop (4-6 Mehr 1403)|
21. |IRCHEP Physics School (9-11 Mehr-1403)|
22. |High energy physics workshop (22-23 Azar 1403)|
23. |Nanoscale Heat Transport (1 Azar 1403)|
24. |Workshop on Dynamics and Scrambling of Quantum Information (28 Azar 1403)|
25. |8th IPM Workshop on Particle Physics Phenomenology (IWPPP8) (5 Dey 1403)|
26. |Course outline : 'Machine Learning' (9 Esfand 1403)|
27. |A Computational Look at Astrophysical Flows (9-11 ordibehesht 1404)|
28. |Hybrid Workshop on Collective Phenomena in Crystalline Materials (17ordibehsht 1404)|
29. |Hybrid Workshop on Light-Matter Interaction &Quantum Coherence Effects (3ordibehsht1404)|
30. |IPM School on High Energy Physics (28-29 Farfardin 1404)|
31. |HEPco@Physics School (1 Ordibehesht 1404)|
32. |IRCHEP1404 School (12 Azar 1404)|
33. |IWPPP1404 School Particle (19 Azar 1404)|
34. |23rd USPEX workshop on crystal structure prediction(November 11-12, 2025.)Russia

MY PUBLICATION IN IRANIAN CONFERENCE

1. **"Physic conference Yasoj University Yasoj"**
Examination the xF3 structure function in terms of Gegenbauer polynomial and sum rules
Atashbar Tehrani , Shahin
2025-10-9
2. **"Particle and field conference Shiraz University Shiraz"**
Investigating the polarized structure function using Laplace transforms
Mirjalili, Abolfazl ; Atashbar Tehrani, Shahin
2024-02-14
3. **"Particle and field conference Mashhad University Mashhad"**
Polarized nucleon structure function at the NNLO accuracy, considering target mass correction and higher twist effect
Mirjalili , Abolfazl; Atashbar Tehrani , Shahin
2023-02-07
4. **"Particle and field conference Mashhad University Mashhad"**
QCD analysis to determine the polarized parton distribution and study of the symmetry breaking
Arbabifar, Fatemeh; Khanpour, Hamzeh ; Atashbar Tehrani, Shahin
2023-02-07
5. **"Physic conference Shiraz University Shiraz"**
Analytical solution for the proton structure functions $F_2^p(x, Q^2)$ and heavy quark contributions
A. K. Shamsaddin, Hamzeh; Mirjalili , Abolfazl ; Atashbar Tehrani , Shahin
2022-08-16
6. **"Physic conference Razi University Kermanshah"**
Parton distribution functions of nuclei at NNLO approximation in GM-VFN scheme
H. Khanpour, Shahin Atashbar Tehrani; Soleymaninia, Maryam
2020-08-25

62. **"Determination of the strong coupling constant using available experimental data"**
S. Atashbar Tehrani and A. N. Khorramian.
DOI:10.1088/1674-1137/34/9/079
Chin. Phys. C **34**, no. 9, 1485 (2010). HEP entry
63. **"Jacobi polynomials and non-singlet structure function $F_2(x, Q^2)$ up to $N^3\text{LO}$ "**
A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1088/1674-1137/34/9/077
Chin. Phys. C **34**, no. 9, 1479 (2010). HEP entry
64. **"Pade approximations and NSQD's up to 4-loop using F(2) deep inelastic world data"**
A. N. Khorramian, H. Khanpour and S. Atashbar Tehrani.
DOI:10.1142/9789814335614_0043 HEP entry
65. **"Parton distribution functions in diffractive deep inelastic scattering"**
S. Taheri Monfared, A. Khorramian and S. Atashbar Tehrani.
DOI:10.1142/9789814335614_0039 HEP entry
66. **"Heavy quark contributions to the proton structure function"**
H. Khanpour, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1142/9789814335614_0041 HEP entry
67. **"A phenomenological analysis of the longitudinal proton structure function F(L)"**
M. Soleymaninia, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1142/9789814335614_0044 HEP entry
68. **"Nucleon polarized structure function"**
F. Arbabifar, A. N. Khorramian, A. Najafgholi and S. Atashbar Tehrani.
DOI:10.1142/9789814335614_0051 HEP entry
69. **"The spin dependent parton distribution functions and their moments"**
S. Taheri Monfared, A. N. Khorramian, F. Arbabifar and S. Atashbar Tehrani.
Acta Phys. Polon. B **41**, 2921 (2010). HEP entry
70. **"Nonsinglet spin-dependent structure functions"**
A. N. Khorramian, S. Atashbar Tehrani, F. Olness, S. Taheri Monfared and F. Arbabifar.
DOI:10.1016/j.nuclphysbps.2010.10.017
Nucl. Phys. Proc. Suppl. **207-208**, 65 (2010). HEP entry
71. **"He-3 and H-3 polarized structure functions, using the constituent quark model"**
M. M. Yazdanpanah, A. Mirjalili, S. Atashbar Tehrani and F. Taghavi-Shahri.
DOI:10.1016/j.nuclphysa.2009.10.080
Nucl. Phys. A **831**, 243 (2009). HEP entry
72. **"Nonsinglet parton distribution functions from the precise next-to-next-to-next-to leading order QCD fit"**
A. N. Khorramian, H. Khanpour and S. Atashbar Tehrani.
arXiv:0909.2665 [hep-ph]
DOI:10.1103/PhysRevD.81.014013
Phys. Rev. D **81**, 014013 (2010) HEP entry
73. **"Longitudinal heavy quark structure function"**
A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
DOI:10.1016/j.nuclphysbps.2008.12.085
Nucl. Phys. Proc. Suppl. **186**, 379 (2009). HEP entry
74. **"Renormalization group improvement and constituent quark model"**
A. Mirjalili, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1016/j.nuclphysbps.2008.12.032
Nucl. Phys. Proc. Suppl. **186**, 137 (2009). HEP entry
75. **"3-loops QCD analysis for non-singlet sector of F2"**
S. Atashbar Tehrani and A. N. Khorramian.
DOI:10.1016/j.nuclphysbps.2008.12.014
Nucl. Phys. Proc. Suppl. **186**, 58 (2009). HEP entry
76. **"Pade approximations and non-singlet structure function up to $N^3\text{LO}$ "**
A. N. Khorramian, H. Khanpour and S. Atashbar Tehrani.
PoS EPS -HEP2009, 393 (2009). HEP entry
77. **"Target mass correction for the polarized nucleon structure function"**
A. Mirjalili, A. N. Khorramian, S. Atashbar Tehrani and H. Mahdizadeh Saffar.
Acta Phys. Polon. B **40**, 2965 (2009). HEP entry
78. **"Determination of valance quark distributions in higher order of perturbative QCD"**
7. **"Physic conference Tabriz University Tabriz"**
Determination of D-mesons fragmentation functions considering mass corrections
M. M. N. Salajegheh, Seyed Mohammad; Soleymaninnia, Maryam; Khanpour, Hamzeh; and S. Atashbar Tehrani
2019-08-26
8. **"Particle and field conference Yazd University Yazd"**
The nonsinglet nucleon polarized structure function in fractional analytical perturbation theory
L. M. Ghasemzadeh, Abolfazl; Atashbar Tehrani, Shahin
2019-02-13
9. **"Particle and field conference Shahid Beheshti University Tehran"**
Study of the impact of intrinsic strange component of the nucleon on the global analysis of parton distribution functions
Maral Salajegheh; Moosavi Nejad, Shahin Atashbar Tehrani
2018-02-14
10. **"Physic conference Yazd University Yazd"**
Determination of polarized parton distribution functions in the valon model at NNLO approximation
F. Taghavi Shahri, Zahra Alizade; Atashbar Tehrani, Shahin
2017-08-28
11. **"Physic conference Yazd University Yazd"**
Extraction of Parton distribution functions using HERA-II new experimental data
H. M. N. Hosseini, Mohammad; Khanpour, Hamzeh; Mosavinejad; Atashbar Tehrani, Shahin
2017-08-28
12. **"Particle and field conference Damghan University Damghan"**
Study on the effect of TMCs and HT on the polarized structure functions
H. Khanpour, Sara Taheri; Atashbar Tehrani, Shahin
2017-01-17
13. **"Physic conference Shiraz University Shiraz"**
An approach for the analytical solution of the xF3-structure function at NLO
M. M. N. Mahdavi, S. Mohammad; Khanpour, Hamzeh; Atashbar Tehrani, Shahin
2016-08-22
14. **"Particle and field conference Esfahan University Esfahan"**
Global analysis of nuclear parton distributions at NNLO
S. Atashbar Tehrani. H.Khanpour
2016-01-20
15. **"Physic conference Mashhad University Mashhad"**
Calculation of fragmentation functions of π^0 and K^0 mesons at NLO approximation by using the Laplace transforms
M. A. T. Zarei, Shahin Atashbar Tehrani; Taghavi Shahri, Fathemeh
2015-08-24
16. **"Particle and field conference Azad University Tehran"**
Deep Inelastic Scattering in nuclear medium in third diagram Feynman order
Shahin Atashbar Tehrani
2014-01-22
17. **"Physic conference Birjand University Birjand"**
Dynamic of Beam Charge Particle in circle Accelerator
N. S. M. Abtahi, Nader Morshedian; Atashbar Tehrani, Shahin
2013-08-26
18. **"Physic conference Birjand University Birjand"**
Extracting the polarized parton distribution functions at NLO approximation using the laplace transforms
Taghavi Shahri, Fathemeh, Atashbar Tehrani, Shahin, Mirjalili, Abolfazl, M. M. Yazdanpanah
2013-08-26
19. **"Particle and field conference IPM Tehran"**
Nuclear Effect in Deep Inelastic Scattering
S. S. Atashbar Tehrani, Mansoreh Shafabakhsh
2013-01-27
20. **"Physic conference Yazd University Yazd"**
Nuclear Parton densities and their uncertainties at the next-to-leading order
M. K. Goharipour, Ali Khorramian; Atashbar Tehrani, Shahin
2012-08-27
21. **"Physic conference Oromiye University Oromiyeh"**
QCD analysis of heavy quark structure functions from recent experimental data
H. K. Khanpour, Ali Khorramian; Atashbar Tehrani, Shahin
2012-02-03

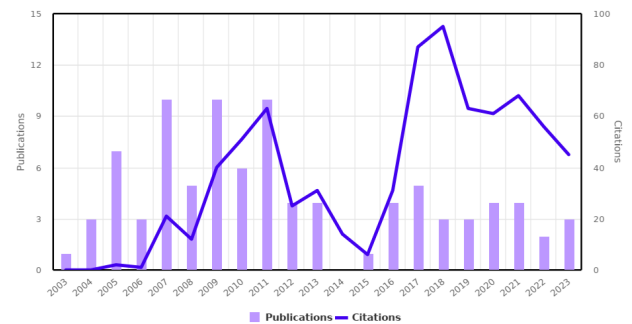
- H. Khanpour, A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
Acta Phys. Polon. B **40**, 2971 (2009). HEP entry
79. **"NNLO QCD contributions to the flavor non-singlet sector of $F_2(x, Q^2)$ "**
A. N. Khorramian and S. Atashbar Tehrani.
arXiv:0805.3063 [hep-ph]
DOI:10.1103/PhysRevD.78.074019
Phys. Rev. D **78**, 074019 (2008) HEP entry
 80. **"Strong coupling constant and flavor thresholds in QCD"**
A. N. Khorramian, S. Atashbar Tehrani, S. T. Monfared and H. Khanpour.
DOI:10.1063/1.2927611
AIP Conf. Proc. **1006**, 182 (2008). HEP entry
 81. **"Non-singlet QCD analysis in the NNLO approximation"**
A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1088/1742-6596/110/2/022022
J. Phys. Conf. Ser. **110**, 022022 (2008). HEP entry
 82. **"Polarized nucleon structure function up to NLO"**
S. Atashbar Tehrani and A. N. Khorramian.
DOI:10.1063/1.2927612
AIP Conf. Proc. **1006**, 186 (2008). HEP entry
 83. **"Non-singlet sector of proton and deuteron structure functions"**
A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1063/1.2927596
AIP Conf. Proc. **1006**, 118 (2008). HEP entry
 84. **"Simple model for QCD analysis of the proton helicity structure"**
A. N. Khorramian and S. Atashbar Tehrani.
arXiv:0712.2373 [hep-ph] HEP entry
 85. **"Non-singlet structure function in the NNLO approximation"**
A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
DOI:10.1016/j.nuclphysbps.2006.11.109
Nucl. Phys. Proc. Suppl. **164**, 34 (2007). HEP entry
 86. **"QCD Analysis for Nuclear Parton Distributions in the Next to Leading Order"**
S. Atashbar Tehrani and A. N. Khorramian.
arXiv:0710.2177 [hep-ph]
eConf C **070910**, 205 (2007)
MENU-2007-205 HEP entry
 87. **"The flavor symmetry breaking of nucleon sea in the valon model"**
A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1063/1.2750830
AIP Conf. Proc. **915**, 502 (2007). HEP entry
 88. **"The Jacobi polynomials QCD analysis for proton spin structure"**
A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1063/1.2750811
AIP Conf. Proc. **915**, 420 (2007). HEP entry
 89. **"QCD analysis of heavy quarks production in hadronic collisions"**
A. Mirjalili, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1016/j.nuclphysbps.2006.12.040
Nucl. Phys. Proc. Suppl. **167**, 82 (2007). HEP entry
 90. **"The Jacobi polynomials QCD analysis for the polarized structure function"**
S. Atashbar Tehrani and A. N. Khorramian.
arXiv:0705.2647 [hep-ph]
DOI:10.1088/1126-6708/2007/07/048
JHEP **0707**, 048 (2007) HEP entry
 91. **"QCD analysis of flavor-asymmetry for polarized sea quark distributions"**
A. Mirjalili, A. N. Khorramian and S. Atashbar-Tehrani.
DOI:10.1016/j.nuclphysbps.2006.11.068
Nucl. Phys. Proc. Suppl. **164**, 38 (2007). HEP entry
 92. **"The non-singlet QCD analysis of parton distributions up to NNLO based on Jacobi polynomials"**
A. N. Khorramian, S. Atashbar Tehrani and M. Ghominejad.
Acta Phys. Polon. B **38**, 3551 (2007). HEP entry
 93. **"The role of logarithmic expansions for nonsinglet QCD analysis of $x F_3$ "**
A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
DOI:10.1016/j.nuclphysbps.2007.08.080
Nucl. Phys. Proc. Suppl. **174**, 27 (2007). HEP entry
 22. **"Particle and field conference Semnan University Semnan"**
EMC Effect and Determination of Nuclear Parton Distribution Functions (NPDFs)
M. K. Goharipour, Ali Khorramian; Atashbar Tehrani, Shahin
2011-11-23
 23. **"Particle and field conference Semnan University Semnan"**
New Experimental Data and Determination of Parton Distribution Function
H. K. Khanpour, AliKhorramian, ; Atashbar Tehrani, Shahin
2011-11-23
 24. **"Particle and field conference Semnan University Semnan"**
QCD Analysis on Polarized DIS and SIDIS Data
F. K. Arbabifar, Ali Khorramian; Atashbar Tehrani, Shahin
2011-11-23
 25. **"Particle and field conference Semnan University Semnan"**
Twist 3 Effects and Target Mass Corrections in the Proton and Neutron Spin Structure Functions
K. A. Haddadi. Zahra, Ali Khorramian; Atashbar Tehrani. Shahin
2011-11-23
 26. **"Physic conference Oromiye University Oromiyeh"**
The study of symmetry breaking effect on polarized structure function
F. K. Arbabifar, Ali Khorramian; Atashbar Tehrani, Shahin
2011-09-05
 27. **"Physic conference BuAlisina University Hamedan"**
The role of heavy quark distribution in proton structure function
H. K. Khanpour, Ali Khorramian; Atashbar Tehrani, Shahin
2010-10-11
 28. **"Physic conference BuAlisina University Hamedan"**
Diffractive structure function calculation with experimental data fits
S. K. Taheri Monfared, Ali Khorramian; Atashbar Tehrani, Shahin
2010-10-11
 29. **"Physic conference BuAlisina University Hamedan"**
The polarized structure function $g_2(x, Q^2)$
S. K. Mina, Ali Khorramian; Atashbar Tehrani, Shahin
2010-10-11
 30. **"Physic conference Oromiye University Oromiyeh"**
Padé approximation and non-singlet part of the structure function up to NNLO
M. K. Soleymaninia, Ali Khorramian; Atashbar Tehrani, Shahin
2010-09-11
 31. **"Physic conference Esfehan university Esfehan"**
Behavior of the valence quark distribution functions at N3LO approximation at different Q^2 Values
A. Khorramian, Shahin Atashbar Tehrani ; Khanpour, Hamzeh
2009-08-15
 32. **"Physic conference Kashan University Kashan"**
Calcualtion of Proton Structure Function at Low- x
S. K. Atashbar Tehrani, Ali khorramian ; Parandakh, Sajad
2008-08-25
 33. **"Physic conference Kashan University Kashan"**
The Longitudinal Structure Function in Non-singlet, Singlet, and Gluon Cases
A. Khorramian, Shahin Atashbar Tehrani; Batebi, Saghar; Soleymaninia, Maryam
 34. **"Physic conference Yasouj University Yasouj"**
QCD analysis of the non- singlet structure function $F_2(x, Q^2)$
A. N. Khorramian, shahin Atashbar Tehrani ; Zarrinkamar, Azadeh ; Taheri Monfared, Sara; and H. Moji
 35. **"Physic conference Shahrood University Shahrood"**
Exact solution of non-singlet structure function in QCD
A. Khorramian, Shahin Atashbar Tehrani
2006-08-28
 36. **"Physic conference Shahrood University Shahrood"**
An approach to QCD analysis of the polarized structure function with the Jacobi polynomial expansion method
S. Atashbar Tehrani, Khorramian, Ali; Hashemi Matin, Fatemeh ; Khanpour, Hamzeh
2006-08-28
 37. **"Physic conference Lorestan University Lorestan"**
Non-Singlet Structure Function in the NNLO Approximation
A. N. Khorramian, Shahin Atashbar Tehrani ; and Mirjalili, Abolfazl
2005-08-29
 38. **"Physic conference Shahid Abaspour University Tehran"**
Calculation of x -dependent of nuclear quark distributions and

94. **"An Approach to NNLO QCD analysis of non-singlet structure function"**
A. N. Khorramian and S. Atashbar Tehrani.
hep-ph/0610172
eConf C **0605151**, 0014 (2006)
IPMLHP-2006-0014 HEP entry
95. **"The NNLO non-singlet QCD analysis of parton distributions based on Bernstein polynomials"**
A. N. Khorramian and S. Atashbar Tehrani.
hep-ph/0610136
DOI:10.1088/1126-6708/2007/03/051
JHEP **0703**, 051 (2007) HEP entry
96. **"The Role of Polarized Valons in the Flavor Symmetry Breaking of Nucleon Sea"**
A. Mirjalili, S. Atashbar Tehrani and A. N. Khorramian.
hep-ph/0608224
DOI:10.1142/S0217751X06031107
Int. J. Mod. Phys. A **21**, 4599 (2006) HEP entry
97. **"EMC effect and nuclear structure functions"**
S. Atashbar Tehrani, A. Mirjalili and A. N. Khorramian.
hep-ph/0608217
DOI:10.1016/j.nuclphysbps.2006.11.092
Nucl. Phys. Proc. Suppl. **164**, 30 (2007) HEP entry
98. **"Analysis of b anti-b production in proton-antiproton collisions, using the approach of complete RG-improvement"**
A. Mirjalili, A. N. Khorramian and S. Atashbar-Tehrani.
DOI:10.1016/j.nuclphysbps.2005.08.025
Nucl. Phys. Proc. Suppl. **152**, 136 (2006). HEP entry
99. **"Polarized constituent quarks in NLO approximation"**
A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
DOI:10.1016/j.nuclphysbps.2005.08.016
Nucl. Phys. Proc. Suppl. **152**, 83 (2006). HEP entry
100. **"QCD predictions for spin dependence of parton distributions"**
S. Atashbar-Tehrani, A. N. Khorramian and A. Mirjalili.
DOI:10.1088/0253-6102/43/6/026
Commun. Theor. Phys. **43**, 1087 (2005). HEP entry
101. **"Determination of QCD running coupling constant in NNLO approximation, using complete RG improvement"**
A. Mirjalili, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1142/S0217751X05023724
Int. J. Mod. Phys. A **20**, 1955 (2005). HEP entry
102. **"Quark distributions and nucleon spin structure"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani.
DOI:10.1142/S0217751X05023645
Int. J. Mod. Phys. A **20**, 1923 (2005). HEP entry
103. **"Renormalization group analysis in cross section of b-quark production"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani.
DOI:10.1063/1.1921002
AIP Conf. Proc. **756**, 387 (2005). HEP entry
104. **"Next-to-leading order approximation of polarized valon and parton distributions"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani.
hep-ph/0411390
DOI:10.1088/1126-6708/2004/10/062
JHEP **0410**, 062 (2004) HEP entry
105. **"Nuclear parton densities and structure functions"**
S. Atashbar Tehrani, A. N. Khorramian and A. Mirjalili.
hep-ph/0410365
DOI:10.1142/S0217751X05023657
Int. J. Mod. Phys. A **20**, 1927 (2005) HEP entry
106. **"Polarized parton distributions in the approach of complete renormalization group improvement"**
A. Mirjalili, S. Atashbar Tehrani and A. N. Khorramian. HEP entry
107. **"Quark-gluon helicity and Q^2 dependence of partonic angular momentum"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani. HEP entry
108. **"Investigating the QCD scale dependence of total cross section for heavy quark production in p anti-p collisions"**
A. Mirjalili, A. N. Khorramian and S. Atashbar Tehrani. HEP entry
109. **"The role of higher order corrections in determining polarized parton densities in the nucleon"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani. HEP entry

ratio of F2A/F2D

A. Khorramian, S Atashbar Tehrani.; and Mirjalili
2004-08-23

39. **"Physic conference Shahid Abaspour University Tehran"**
Investigating the scale dependence for moment of structure functions in NNLO approximation of QCD perturbation theory
A. Mirjalili, ali Naghi Khorramian; Atashbar Therani,Shahin
2004-08-23



CERTIFICATE

1. Centerville United Methodist Church English as a Second Language
Intermediate Spring 2010
Teacher: Tom Virnelson, Ann Gillen
2. Centerville United Methodist Church English as a Second Language
Class Advanced Fall Semester 2011
3. Centerville United Methodist Church English as a Second Language
2AIntermediate Fall 2009
Teacher: Tom Virnelson
- 4.
5. Centerville United Methodist Church English as a Second Language
2AIntermediate Fall 2010
Teacher: Tom Virnelson
6. Centerville United Methodist Church English as a Second Language
2BHigh Intermediate Spring 2011
Teacher: Rebecca Burrows, Mellissa Burrows, Eein Kelly, Debbie Ciappa
7. Centerville United Methodist Church English as a Second Language
Class Advanced Fall Spring 2011
8. Adult and COMMUNITY EDUCATION
HTML3 12/02/2010
9. Adult and COMMUNITY EDUCATION
HTML1 10/28/2010
10. Adult and COMMUNITY EDUCATION
HTML2 9/30/2010
11. Adult and COMMUNITY EDUCATION
WINDOWS SERVER 2003 JUNE 2009
12. Adult and COMMUNITY EDUCATION
JAVA SCRIPT APRIL 2011
13. CERTIFICATE CISCO CCNA
2014/06/25
14. CERTIFICATE CISCO CCNP(SWITCH)
2014/12/19
15. CERTIFICATE CISCO CCNP(TSHOOT)
2015/08/01
16. CERTIFICATE NETWORK+
2014/04/28
17. CERTIFICATE WINDOWS SERVER 2012
2014/11/06
18. CERTIFICATE CEH V:12
2025/11/05
19. CERTIFICATE LPIC1(101-102)
2025/11/30

110. **"Renormalization and factorization scales and scheme dependence for some QCD observables"**
A. Mirjalili, A. N. Khorramian and S. Atashbar Tehrani.
DOI:10.1063/1.1799816
AIP Conf. Proc. **717**, 902 (2004). HEP entry
111. **"QCD analysis of polarized structure functions in next-to-leading-order, using improved valon model"**
A. N. Khorramian, S. Atashbar Tehrani and A. Mirjalili.
DOI:10.1063/1.1799815
AIP Conf. Proc. **717**, 897 (2004). HEP entry
112. **"Polarized parton distribution functions in the valon model framework, using QCD fits to Bernstein polynomials"**
A. N. Khorramian, A. Mirjalili and S. Atashbar Tehrani.
hep-ph/0309258
eConf C **030614**, 022 (2003)
WQCD-2003-022 HEP entry
113. **"Spin structure of constituent quark and polarized structure of hadrons"**
F. Arash, S. Atashbar-Tehrani and A. N. Khorramian.
Czech. J. Phys. **53**, B71 (2003). HEP entry
114. **"Polarized parton distributions in the valon model"**
S. Atashbar Tehrani and A. N. Khorramian.
hep-ph/0207105 HEP entry
115. **"Nuclear structure functions from constituent quark model"**
F. Arash and S. Atashbar-Tehrani.
nucl-th/9904020 HEP entry

EXPERIENCE IN TEACHING

1. Physic 1 (Mechanic)
2. Physic 2 (Electricity and Magnetic)
3. Analytic Mechanic 1
4. Analytic Mechanic 2
5. Quantum Mechanic 1
6. Quantum Mechanic 2
7. Elector Magnetic 1
8. Elector Magnetic 2
9. Introduction to Solid State Physic 1
10. Introduction to Solid State Physic 2
11. Electronic 1
12. Introduction to Nuclear Physic 1
13. Introduction to Particle Physic
14. Mathematics in Physics 1
15. Mathematics in Physics 2
16. Mathematics in Physics 3
17. Program Language (FORTRAN)
18. Applied Computer in Physics
19. Solve Numerical Method
20. optics
21. Lab Electricity
22. Lab Mechanic
23. Elector Dynamic 1
24. Modern Physics
25. Server 2003
26. Server 2012
27. Server 2019
28. Server 2022
29. Server 2025
30. CCNA routing and switching
31. CCNP
32. Network+
33. CEH Certified Ethical Hacker
34. Mikrotik
35. HTML 1-2-3
36. CSS
37. C++