

Curriculum Vitae

Personal Information:

Name: Mohammad Mehdi Firoozabadi

Date of Birth: 1958

Address: physics Dept., Faculty of Sciences, Birjand Univ., P.O. Box 79, Birjand, Iran.

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Educational Background:

Date	Place	Degree Obtained	Title of Thesis
1980-1984	Dept. of Physics, Univ. of Shiraz, Iran	BSc. Degree in physics	-----
1985-1988	Dept. of Physics, Ferdowsi Univ. of Mashhad	MSc. Degree in Nuclear physics	Monte Carlo O5S code for fast neutron response function
1992-1997	Moscow Instituted of Physics Technology(MIPT) and (ITEP)	PhD degree in nuclear and particle physics	Differential Cherenkov Counter for Rare Processes in Subthreshold K-Meson Production

Publications:

Date	Title	Place
1999	- One Electron Mode of FEU-۱۳۰ □□□□□□□□□□r Tubes and detection of Cherenkov Radiation M.M. Firoozabadi / V.I. Ushakov, A	Instrument and experimental techniques Vol. 42 No.2 1999 P.192
2010	- Differential Cherenkov counter with a Remote control Photomultiplier Ring M.M. Firoozabadi , V.I. Ushakov and Yu. T. kiselev, - Subthreshold and near threshold kaon and antikaon production in proton-nucleus reaction, Akindinov, Chumakov, Firoozabadi , Kiselev, Martemyanov, Paryev, Sheinkman, Terekhov	Instruments and Experimental techniques 6 Vol.42 No.2 1999 pp ۱۸۲-۱۹۱ IOPJ.Phys.G:Nucl.Part. Phys.37(2010)015107(arXiv:0911.4616v1 [nucl-ex] 24 Nov 2۰۰۹)

Presentations:

Date	Title	Place
1997	M.M. Firoozabadi, "Differential Cherenkov counter for rare reactions and its usage for subthreshold meson productions"	Local nuclear annual conference, Mashhad University, Mashhad, Iran
2001	M.M. Firoozabadi, "Subthreshold K+ production in p-A reactions"	Local ,annual physics conference , Sabzsevar University, Sabzevar, Iran
2001	M.M. Firoozabadi, "Construction Report of new Differential Cherenkov Counter Type in ITEP "	Local ,annual physics conference , Sabzsevar University ,Sabzevar, Iran
2001	M.M. Firoozabadi, M. Esmailnejad, "Nuclear membrane construction possibility with low energy	International nuclear physics conference University of Shiraz,

	proton with Iran facilities”	,Shiraz Iran
2004	M.M. Firoozabadi, R. Shariatzadeh, “Power Measuring by Designing and Constructing Cherenkov Counter for Amirabad Research Reactor”	Local annual nuclear conference, University of Arak, Arak, Iran
2005	M.M. Firoozabadi, S. Farabi. M.F. Rahimi ,”U236 neutron fission level calculation in 500,600, and 800 KeV energy range”	Local nuclear annual conference, Mashhad University, Mashhad, Iran
2005	M.M. Firoozabadi, G.R.Raisali, N.shakib, ”Response Function Investigation of Cherenkov Counter by MCNP code”	nuclear annual conference, Mashhad University, Mashhad, Iran
2006	M.M. Firoozabadi, H. Targholizadeh, T. Tajvidi, “Designing Of Dynodes With Simulation Codes”	Local nuclear annual conference ,university of Esfahan, Esfahan, Iran
June 18-21,2008	M.M. Firoozabadi, A. Shokri, “Subthreshold Photo-kaon Production”	The 3rd Light Ion Nuclear Collision Workshop, IHEP, Protvino, Russian Federation and IPM, Tehran, Iran
2009	M.M. Firoozabadi, H. Targholizadeh, M. Gholami, “Thickness evaluation of PMT Photocathode by Monte Carlo Methods”	Local nuclear annual conference, University of Golestan, Iran
2009	M.M. Firoozabadi, “Cross section Calculation in two-step Subthreshold Kaon Production for p-A reactions”	Local nuclear annual conference, University of Golestan, Iran
2009	M.M. Firoozabadi, “A relativistic two-nucleon model for $A(p,K^+)AB$ Reaction”	Local nuclear annual conference, University of Golestan, Iran
2010	M.M. Firoozabadi, N. behzadipoor, H. Targholizadeh, “Design and Construction CSi photocathode of PMT”	Local nuclear annual conference, Qeshm Science and Technological park , Iran

Research and Training Experiences:

Date	Title	Place
May 1997	Research methods workshop.	Research Affairs Birjand University, Birjand, Iran.
October 2001	Monte Carlo and MCNP workshop	Research Institute Tehran, Iran.
November 2009	Neutron Activation Analysing workshop	Atomic organization of Iran,Esfahan, Iran.

Educational and Work Experiences:

A) Educational Experience:

Teaching the following courses from 1990 up to now:

BSc	General Physics, Electromagnetism, Modern physics, Classical Mechanics, Quantum Mechanics, Nuclear physics(K. Krane), Radiation detection and measurement, Introductory Particle Physics(Griffiths), Reactor Physics(Benneths)
MSc	Advance Nuclear physics (Text, S. Wong), Advance Reactor Physics (Text, Stacy), Computational and Simulation Physics, Classical Mechanics (Goldstein)
PhD	Introduction to Nuclear Reactions (Carlos A. Bertulani,) Special topics in Advance Nuclear Physics (including, Strangeness nuclear physics, ADS reactors, Transmutation, - Particle Detectors (Grupe C & Shwartz B 2ed CUP 2008))

B) Administrative Experiences:

Date	Title	Place
	Head of physics group	Faculty of Science, Birjand University, Birjand, Iran.
2002-2006	Dean of Industry and Mine University centre in Birjand	University of Industry and mine Birjand Centre, Iran
2006 -2007	Head of Science and Technology division park of Birjand	Birjand, Iran
May 2002-present	Assistant professor	Faculty of Science, Birjand University, Birjand, Iran.

Membership:

١. Student member, The American physics Society,
٢. Student member, The Astronomy Society of Iran, 1980- 1985
٣. Member, The Iranian Society of physics, 1990-present
٤. Member, The Iranian Nuclear Society , 1990-present

Fields of Interest:

1. Hadron physics, Hadron Interaction in intermediate energy, nuclear potential
2. Strangeness physics, hypernucleus production,
3. Accelerator physics, ADS reactors, Transmutations
4. Nuclear detection

Current research projects:

١. Proton –nucleus reaction in MeV and GeV range
٢. Nuclear potential in two and three body problems
٣. Cross section calculation and measurement for hyperon and antiproton creation in nuclei

Graduated and Current master students:

	Graduated	Current
MSc	20	5
PhD	-	3

	excellent	good	poor
English	R	W, S	
Russian	S	R, W	
French			R, W, S
Farsi	R, W, S		

Language ability (Reading, Writing, Speaking)