

Curriculum vitae

PERSONAL DETAILS

First Name: Zahra

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Date of Birth: 21.03.1983

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UNIVERSITY EDUCATION

2009–2012 (Ph.D.): Shahrood University of Technology (Theoretical particle physics), Iran

2005–2007 (M.Sc.): Semnan University (Theoretical Particle physics), Iran

2001–2005 (B.Sc.): Shahrood University of Technology, Iran

TEACHING EXPERIENCE

2014-Now: Kosar University of Bojnord, Iran

2009–2011: Quchan University of Advanced Technology, Quchan, Iran

2006–2007: University of Science & Application, Joghatay, Iran

2005-2006: Semnan University, Iran

VISITING RESEARCHER

Jan 2011- Jul 2011: Goethe University Frankfurt, Germany

June 2018: Jan Kochanowski University, Poland

SKILLS & INTERESTS

1. Phenomenology on strong interactions and hadron physics
2. The standard model and beyond
3. Chiral symmetry breaking and exchange interactions
4. Exotic hadrons

PUBLICATIONS

1. Z. Ghalenovi and M. Moazzen Sorkhi, "Mass spectra and decay properties of Σ_b and Λ_b baryons in a quark model," *Eur. Phys. J. Plus* 133, 8 (2018).
2. M. M. Sorkhi and Z. Ghalenovi, "Localization of massless Elko spinor fields on de Sitter thick branes," *Int. J. Mod. Phys. A* 33, 29 (2018) .
3. Z. Ghalenovi, "Study of Electromagnetic Properties of Light Baryons in the Hypercentral Approach," *Int. J. Theor. Phys.* 57, 9 (2018).
4. M. M. Sorkhi and Z. Ghalenovi, "Fermion Localization on the Deformed Brane with the Derivative Coupling Mechanism," *Acta Phys. Polon. B* 49 (2018) 123.
5. Z. Ghalenovi and M. Moazzen, "Study of baryon resonance spectrum in a chiral quark model," *Eur. Phys. J. Plus* 132, 8 (2017).
6. Z. Ghalenovi and M. Moazzen, "Electromagnetic properties of nonstrange Baryons in a nonrelativistic quark model," *Int. J. Mod. Phys. E* 26, 7 (2017).
7. M. Moazzen and Z. Ghalenovi, "Non-minimally coupled bulk scalar fields in sine-Gordon braneworld models," *Annals Phys.* 385 (2017) 70.
8. Z. Ghalenovi, F. Giacosa and H.D. Rischke, "Masses of Heavy and Light Scalar Tetraquarks in a Non-Relativistic Quark Model", *Acta Phys. Pol. B* 47 5 (2016).
9. Z. Ghalenovi, S. Qin and H.D. Rischke, "Ground-state masses and magnetic moments of heavy baryons", *Mod. Phys. Lett. A* 29, 1450106 (2014).
10. Z. Ghalenovi et al., " study of charmed and bottom baryons in a variational approach and chiral interactions", *Chin. J. Phys.* 51 116 (2013).
11. Z. Ghalenovi and A. A. Rajabi, A. Tavakolinezhad, "Masses of Charm and Beauty Baryons in the Constituent Quark Model", *Int. J. Mod. Phys. E*, 21 6 1250057 (2012).
12. Z. Ghalenovi and A. A. Rajabi, "Single Charm and beauty baryon masses in hypercentral approach", *Eur. Phys. J. Plus*, 127 141 (2012).
13. N. Salehi, A.A. Rajabi and Z. Ghalenovi, "Calculation of nonstrange baryons spectrum by using generalized Gurses Radicati mass formula and hypercentral potential", *Chin J. Phys.* 50 1 (2012).

14. Z. Ghalenovi, A.A. Rajabi and A. Tavakolinezhad, "The Heavy baryon masses and Spin-Isospin Dependence", *J. Phys. Conf.* 347 012015 (2012).
15. Z. Ghalenovi, A. A. Rajabi, N. Salehi and A. Tavakolinezhad, "The Ground state heavy meson masses in Cornell potential", *Int. J. Phys. Sci.*, 7 10 (2012).
16. Z. Ghalenovi, A.A. Rajabi and M. Hamzavi, The Heavy baryon masses in variational approach and Spin-Isospin Dependence, *Acta. Phys. Pol. B* 42 8 (2011).
17. N. Salehi, A.A. Rajabi and Z. Ghalenovi, Spectrum of strange and nonstrange baryons by using generalized Gursev Radicati mass formula and hypercentral potential, *Acta. Phys. Pol. B* 42 6 (2011).
18. Z. Ghalenovi, A. A. Rajabi and N. Salehi, "Charmed and bottom baryon masses and chiral dynamics", *Int. J. Pur. Appl. Phys.* 9 1 (2013).

Conferences

1. Z. Ghalenovi, "Constituent quark models for hadronic systems", *EPJ Web Conf.* 199, 05011 (2019).
2. Z. Ghalenovi and M. Moazzen Sorkhi, Calculation of radiative decay width of strange baryons, *Annual Physics Conference of Iran* (2018).
3. Z. Ghalenovi, "Study of Heavy Strange Baryons in a Hypercentral Quark Model," *Int. J. Mod. Phys. Conf. Ser.* 46 (2018) 1860037.
4. Z. Ghalenovi, "Masses of Charmed and Bottom Tetraquarks in the Non-Relativistic Quark Model," *Int. J. Mod. Phys. Conf. Ser.* 46 (2018) 1860084.
5. Z. Ghalenovi and A. Tavakolinezhad, "Study of Deuteron System in a Two-Body Potential Model," *Int. J. Mod. Phys. Conf. Ser.* 46 (2018) 1860087.
6. Z. Ghalenovi, two-body potential model for deuteron system, systems in the hypercentral approach, 19th *Physical Chemistry Conference*, Tehran, Iran, Sep. 2016.
7. Z. Ghalenovi, "Study of Light Scalar Mesons in a Diquark-Anti diquark Picture", 5th *Conference on Particle Physics*, Tehran, Iran Feb. 2015.
8. Z. Ghalenovi and A. Tavakolinezhad, "Calculation of Heavy Baryon Spectrum in Chiral Model", *Annual Physics Conference of Iran*, Sep. 2014.
9. Z. Ghalenovi and A. A. Rajabi, Calculation of Deuteron mass and magnetic moment based on quark model. *Eighteenth conference of physics*, Yazd, Iran, Feb 2012.
10. Z. Ghalenovi and A. A. Rajabi, A. Tavakolinezhad, Study of two-body systems in the Yukawa potential, *15th Physical Chemistry Conference*, Tehran, Iran, Sep. 2012.

11. A. Tavakolinezhad , Z. Ghalenovi and A. A. Rajabi, Study of many-nucleon systems in the hypercentral approach, 15th Physical Chemistry Conference, Tehran, Iran, Sep. 2012.

12. Z. Ghalenovi and A. A. Rajabi, Meson and Gluon Exchange Interactions and Light Baryon Masses, Annual Physics Conference of Iran, Sep. 2012.