

First Name: Marzieh
Family Name: Bahmani



Personal

- Date of birth: 1984
- Local address : No 1/25, Jaremy street , Krakow, Poland
- Email: setarehkoochak@gmail.com
- Phone: +48 793 655 206

Education

- 2015-present :PhD student at IFJ-PAN Krakow, Poland (ESR18- Early stage researcher funded by HiggsTools)

Project Title:

Search for extended scenarios of electroweak symmetry breaking with the ATLAS experiment at LHC

- 2009- 2011 : Master student at Shiraz University for astrophysics , Shiraz, Iran ,Thesis:“ Modelling Globular Clusters with central Intermediate Mass Black Hole “ . cumulative GPA: 4
- Jan.2004 -June.2008 : Undergraduate student for physics,(Meteorology) , Hormozgan University, Bandar Abbas

Conferences and Courses

- *3-7 December 2015, Scalars 2015 Conference , Warsaw, Poland*
- *21- 23 October 2015 HiggsTools second Young Researches meeting, Universite Libre de Bruxelles, Belgium*
- *3-23 August 2014 The African School of Fundamental Physics and its Application, Dakar, Senegal*
- *May 8th to May 13th 2011-“Dark energy probes and dynamical evolution of globular clusters”, oral talk by the title of “modelling M15 with a central IMBH”, School of astrophysics “Francesco Lucchin” XI Cycle, III Course , Bertinoro , Italy*

- 11 Jun 2014, One-Day Meeting on Particle Physics Frontier , IPM, Tehran
- April 23, 2014 – Early Universe one day Meeting , School of Physics, IPM, Tehran
- December 4, 2013-Topical meeting on Black Holes, Black holes from high energy physics to astrophysics, School of Astronomy, IPM
- November 7-8, 2013-Mathematical Physics representation of super algebraic and algebraic Lie, the concept of symmetry – IPM school of Mathematics – Esfahan university
- *December 28th -29th 2011 national astrophysics conference, oral talk by the title of “ modelling Globular Cluster with IMBH”, Damghan university*
- *2007-Attending Advance Astrophysics Workshop , Research Institute for Astronomy and Astrophysics of Maragha (RIAAM)*
- *2006-Attending Elementary Astrophysics Workshop , (RIAAM)*

Research Background

- Master research , Modelling Globular Clusters with central Intermediate Mass Black Hole, supervised by Professor N. Riazi , Shiraz University, 2010-2011
- Research Assistant (Holography, optics), conducted with professor Masudi , Hormozgan university , 2007
- Study on climate change in Iran , conducted with Professor Taghavi , Hormozgan university , 2007
- Research Assistant (Diagrams in excel , statistical meteorology) conducted with Professor Taghavi , Hormozgan university , 2006
- Polarization of thin film layer conducted whit Professor Masudi , Hormozgan university , 2006
- Research Assistant , Space weather and space plasma , (atmospheric physics) Doctor Reza zade , Hormozgan university , 2004
- Study sunspots activities with 2-year daily photography, Adib Astronomy Center (2002-2004)

Computer skills

- Operating systems: WINDOWS, LINUX
- Good knowledge of MS office: Word, Excel, Powerpoint
- Good knowledge of astronomy softwares : IRIS, Maxim DL

- Good knowledge of Programming languages: Fortran 95
- Good knowledge of scientific software: Matlab , Maple
- Good knowledge of Latex (writing scientific reports, papers, thesis, etc.)

Language Proficiency

Native language: Persian, Fluent English: Toefl score is 95, Fair Arabic

Activities

- Member of Isfahan Mathhouse , and head of mathematical physics research group(2012 –present) working on Mathematical physics
- Head of astronomy projects, Adib Astronomy Center (2013-present)
- Visitors' guide of Biruni Observatory , Shiraz University,2011
- Member of Isfahan Mathhouse's Wisdom and knowledge group 2011-present
- Published Astronomy Union of Hormozgan University (2004)
- Amateur Astronomer, Adib Astronomy Center (2001-present)

Membership in professional societies and Honors

- Referee of National Khwarizmi Competition 2014
- Teaching astronomy Olympiad in high talent high school 2014-present
- Member of Astronomy society of Iran (2011- present)
- Leader of astronomy Union of HU (2004-2007)
- Member of young physicists' society executive team, HUPAA physics network
- Member of Adib Astronomy Center (2001-present)
- Khwarizmi national competition honor as a head of Teamwork on meteor tracer antenna, 2000

Hobby

- I enjoy learning about new cultures, languages and hearing from different perspectives, teaching astronomy to public.
- I am interested in mountain climbing, playing Volleyball, Music, philosophy of mind, philosophy of science.