



Sohag University  
Sohag, Egypt



## **Curriculum Vitae**

### **Personal:**

- 1. Name:** AlaaEldeen Shaban Elmeshneb
- 2. Date of Birth:** 13.08.1982
- 3. Nationality:** Egyptian
- 4. Sex:** Male
- 5. Marital Status:** Married
- 6. Address:** Egypt, Sohag, Faculty of science, Physics Department
- 7. Phone :**002093 4609994 Egypt
- 8. Mobile:**00966541278590
- 9. E-mail:** [alaaelden.elmeshneb@gmail.com](mailto:alaaelden.elmeshneb@gmail.com) ,  
[alaashaban2000@yahoo.com](mailto:alaashaban2000@yahoo.com)
- 10. College:** Faculty of Science at Sohag University
- 11. Department:** Physics
- 12. Studying abroad:** PhD student at Institute of Physics, Jagiellonian University, Krakow, Poland.
- 13. Last Employment:** Lecturer of Theoretical Physics at Physics Department, Faculty of science, Sohag University, Egypt.
- 14. Present Position:** Assistant Professor of Theoretical Nuclear Physics at Physics Department, Faculty of science and Arts, Taibah University-El-Ula Branch

## **School Education:**

- Sept. 1989-May 1994 Elementary School, Sohag, Egypt.
- Sept. 1994-May 1996 Middle School, Sohag, Egypt.
- Sept. 1996-May 1998 Secondary School, Sohag, Egypt.
- May 1998: General secondary education School, Sohag, Egypt.

## **Qualification:**

- **Sept. 1998 – May 2003:** Study of Physics and Mathematics, South Valley University.
- **May 2003:** B. Sc. in Physics, Sohag University.
- **Oct. 2004 – Oct. 2005:** Postgraduate courses in Theoretical Physics, Sohag University
- **Nov. 2005 - Nov. 2008:** Master degree in Physics, Sohag University, under the title "Equation of state studies of asymmetric nuclear matter".
- **Feb. 2011- Jun. 2015:** PhD degree in Theoretical Physics, Jagiellonian University, Krakow, Poland. under the title " Muon capture on the deuteron and  $^3\text{He}$ ".

## **Career:**

- **Demonstrator of Theoretical Physics, Physics Department, Faculty of Science Sohag University, Sohag, Egypt, 2004 – 2008.**
- **Teaching assistant in Physics department, Sohag, Egypt, 2008 – 2011.**
- **Doctoral student at the Institute of Physics, Jagiellonian University, Krakow, Poland, 2011 – 2015.**
- **Assistant Professor of theoretical physics at Physics Department, Faculty of science, Sohag University, Egypt, 25-10-2015.**

## **Favorite Dept:**

- **College:** Faculty of Science
- **Department:** Physics

## **Language:**

- **Arabic:** Native
- **English:** Excellent
- **Italian:** Basic
- **Polish:** Basic

## **Teaching Experiences:**

### **Physics**

- 1- Electric undergraduate courses
- 2- Mathematical Physics
- 3- Practical Physic
- 4- Nuclear Physics
- 5- Theoretical Nuclear Physics
- 6- Quantum Mechanics
- 7- Numerical analysis
- 8- Radiation Postgraduate courses
- 9- Using Computer in Physics
- 10- Few-body problem in nuclear physics

## **Computer Skills**

**Programing:** Fortran, Mathematica.

**Software and Packages:** Latex, MS office, Xmgarce, Gnuplot.

**Operating system:** DOS, Microsoft windows, Linux.

## **Interests**

- 1- Badminton
- 2- Chess
- 3- Volleyball

## **List of publications**

- 1- "Dependence of the nuclear equation of state on two-body and three-body forces".** M. Baldo and Alaa Eldeen Shaban, Physics Letters, (2008) B 661, 373–377.
- 2- " Deuteron Disintegration in Three Dimension ".** Few-body System (2013) 54:2233-2253.
- 3- "2N and 3N System in a Three Dimensional Formalism".** Few-body System (2013) 55:835-838.
- 4- "Muon induced disintegration in three-dimensions".** Kacper Topolnicki, ... **A. E. Elmeshneb**, EPJ Web of Conferences 81, 06010(2014).
- 5- "Break-up channels in muon capture on  $^3\text{He}$ ".** J. Golak ,... **A. E. Elmeshneb** .. et.al., Physical Review C 90, 024001 (2014).
- 6- "Muon capture on the deuteron and  $^3\text{He}$ ".** **A. E. Elmeshneb**, EPJ Web of Conferences 81, 06004 (2014).
- 7- "The Two-Nucleon and Three-Nucleon System in Three Dimensions ".** Kacper Topolnicki, ... **A. E. Elmeshneb** ..et. al. ACTA PHYSICA POLONICA A Vol. 127 (2015).
- 8- "Study of electroweak processes in the two and three-nucleon systems with local chiral forces".** Roman Skibinski, ... **A. E. Elmeshneb** ..et. al. Proceedings of Science (CD15 118).
- 9- "Muon capture on the deuteron".** **A. E. Elmeshneb**, Jacek Golak. Proceedings of Science (CD15 125).
- 10- " Analysis Slow Particle Emitted  $^{24}\text{Mg}$  with Emulsion Interactions at Relativistic Energies".** A. Abd El-Daiem and

**A. E. Elmeshneb.** Journal of Nuclear and Particle Physics 6(3): 53-60 (2016).

- 11- "Break-up channels in muon capture on  $^3\text{He}$ ".** J. Golak, A. E. Elmeshneb, *et. al.* EPJ Web of Conferences 113, 04029 (2016).
- 12- "A Study of the Three-Body Force Effect on the EOS Properties of Asymmetric Nuclear Matter".** Mansour H. M. M, A. E. Elmeshneb, *et. al.* Armenian Journal of Physics (2018)
- 13- "Influence of the Deuteron's D-Wave Component on Tensor Spin Asymmetries in Elastic e-d Scattering".** E. M. Darwish, A. E. Elmeshneb, *et. Al.* Int. J. New Hor. Phys.7, 2, (2020)

## **School and workshops:**

- 1- Fourth European Experimental Nuclear Astrophysics School.** Catania, Italy, 26. Sep - 3 Oct. 2007.
- 2- Materials Science workshop1.** Sohag, Egypt. 18-20 Nov. 2008
- 3- Materials Science work shop2.** Sohag, Egypt. 23-27 Mar. 2009
- 4- E-learning Training course.** Sohag, Egypt. 4-15 Jan. 2009
- 5- Invitation to visit GSI GMBH in Darmstadt, Germany.**  
**In the framework of the international FAIR project**  
**within the period of 5 January – 5 March 2010.**
- 6- Second Summer school in Nuclear Physics, Dubna Russia**  
**2010, Within the frame of the scientific agreement between**  
**the Ministry of Higher Education and Scientific Research**

**(Government of the Arab Republic of Egypt) and the Joint Institute for Nuclear Research (Dubna, Russia).**

### **Conferences contribution:**

- 1- International Symposium on Exotic states of Nuclear Matter, Catania, Italy (11-15 June 2007).**
- 2- <sup>12</sup>th International workshop on Meson Production, Properties and Interaction Krakow, Poland (31 May- 5 June 2012).**
- 3- <sup>22</sup>nd European Conference on Few-Body Problems in Physics (Organizer) Krakow, Poland (9-13 Sep. 2013).**
- 4- Poster presentation in <sup>13</sup>th International workshop on Meson Production, Properties and Interaction Krakow, Poland (29 May- 3 June 2014).**
- 5- Poster presentation in <sup>8</sup>th International workshop on Chiral Dynamics, Pisa, Italy (29 June- 03 July 2015).**
- 6- Poster presentation in <sup>5</sup>th International conference on” Collective Motion in Nuclei under extreme condition”, Kracow, Poland (14 Sep. – 18 Sep 2015).**
- 7- First Annual Science Day, Faculty of Science-Sohag University (Organizer) Sohag, Egypt (20 April, 2016).**
- 8- International Conference on Chemical Science and Applications, Alexandria, Egypt (06 Aug, 2016).**
- 9- Second Annual Science Day, Faculty of Science-Sohag University (Organizer) Sohag, Egypt (19 April, 2017).**
- 10- Third Annual Science Day, Faculty of Science-Sohag University (Organizer) Sohag, Egypt (8 April, 2018).**

## **Professional honors, awards and fellowships:**

- 1- ParOwn Grant (ID 200) from the Ministry of Higher Education and Scientific Research Grants, Master research at INFN, Catania, Italy 2007.**
- 2- Student practice in JINR Fields of Research, Dubna, Russia 2010.**
- 3- PhD scholarship at the Jagiellonian University, Krakow, Poland 2011.**
- 4- Short visit for Poland in the framework of the Cooperation between Egyptian Academy of Scientific Research and Technology (ASRT) and the Polish Academy of science (PAN) Sep. 2017.**

## **Professional Memberships:**

- 1- Egyptian Syndicate of Scientific Professions June 2004-present**
- 2- Muslim league in Poland (Directors Board) Feb 2011- Sep. 2015**
- 3- Membership of the arbitration committee at the local exhibition of science and engineering (ISEF) 2017**
- 4- Coordinator of Ibn AL Haytham Competition for Scientific Innovations of 2018 at Sohag University.**
- 5- Membership of the Arbitration Committee of the Egyptian Science and Engineering Competition 2018, Egypt.**
- 6- Director of IT unit, Faculty of Science, Sohag University 2018.**
- 7- Director of University center for career development (UCCD), Sohag University in a cooperation of American University in Cairo.**

## **Referees:**

<b>Prof. Dr. Khalaf Gad</b>	<b>khalafgad@yahoo.com</b>
<b>Prof. Dr. Marcello Baldo</b>	<b>Marcello.Baldo@ct.infn.it</b>
<b>Prof. Dr.hab. Jacek Golak</b>	<b>jacek.golak@uj.edu.pl</b>
<b>Prof. Dr.hab. Paweł Moskal</b>	<b>ufmoskal@gmail.com</b>





JAGIELLONIAN UNIVERSITY  
IN KRAKÓW

Faculty of Physics, Astronomy, and Applied Computer Science

**DIPLOMA**  
ISSUED IN THE REPUBLIC OF POLAND  
(transcript)

**Mr ALAAELDEEN ELMESHNEB**

born on

13th August 1982 in Sohag (Egypt)

has been awarded the degree of

**DOCTOR**

of

Physical Sciences in Physics

on the grounds of his doctoral dissertation entitled

*Muon capture on the deuteron and  $^3\text{He}$*

and on successfully passing the prescribed examinations,

conferred in the resolution passed by the Council of

Faculty of Physics, Astronomy, and Applied Computer Science

on

25th June 2015

Academic Supervisor of the doctoral proceedings

prof. dr hab. Jacek Golak

Reviewers of the doctoral proceedings

dr hab. Adam Kozela dr hab. Elżbieta Stephan

Kraków, 2nd July 2015

  
Prof. dr hab.  
Andrzej Warczak

Chairperson of the Council  
of the Organisational Unit  
(personal seal and signature)

  
Academic Supervisor  
(signature)

Prof. dr hab. med.  
Wojciech Nowak  
Rector  
(personal seal and signature)



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Sohag University



Faculty of Science

## Work experience certificate

### Personal Data

**Member name:** AlaaEldeen Shaban Saber Mohamed Elmeshneb

**Member code :** 2922943198260158

**Present position :** Assistant Professor at Physics Department

**Religion:** Muslim

**Nationality :** Egyptian

**Sex:** Male

**National ID :** 28208132600631

**Present Address:** Egypt, Sohag, Faculty of science, Physics Department ,  
P. O. Box 82524 City: Sohag, Governorate: Sohag

### Qualifications data

- 1) **B. Sc.:** Physics, Sohag Faculty of Science, South Valley University-Sohag Branch, May 2003, 'Very good with honor degree'
- 2) **M. Sc.:** Physics, Sohag Faculty of Science, Sohag University, Dec 2008.
- 3) **Ph. D.:** Theoretical Nuclear Physics, Jagiellonian University, Krakow, Poland, June 2015.

### career

#### **Previous Employments:**

- 1) Demonstrator , Physics Dep., Faculty of Science, Sohag University.  
Starting from 24/06/2004.
- 2) Assistant lecturer, Physics Dep., Faculty of Science, Sohag University.  
Starting from 04/03/2009.

**Present Employment:** Assistant Professor at Physics Dep., Faculty of Science, Sohag University. Starting from 26/06/2015.

Dean Signature

Prof. Dr. Ahmed M. M. Soliman



Sohag 22.06.2017