Short Curriculum Vitae

Contact information

Dr. Luis Armando Acosta Sánchez
Depto. de Física Aplicada, Universidad de Huelva. Campus El Carmen Fuerzas Armadas s/n 21071 Huelva, Spain. +34 959219799
Forigneer Associated Researcher at INFN-Sezione di Catania, Italy.
luis.acosta@dfa.uhu.es, acosta@infn.lns.it

Education

11/2009	PhD Thesis: *Study of the reactions induced by halo nuclei at energies around the Coulomb barrier*. Universidad de Huelva, (Spain) Supervisors: Prof. Ismael Martel Bravo and Prof. Francisco Pérez Bernal
12/2006	Diploma Thesis: *Study of the elastic scattering and reaction channels of $^{6}He+^{208}Pb$ at 22 MeV* Universidad de Huelva, (Spain) Supervisors: Prof. Ismael Martel Bravo and Prof. Francisco Pérez Bernal
10/2004	Physics degree Thesis: *Elemental composition of $Si_xN_yH_z/Si$ films produced with plasma techniques, using a particles accelerator.* Instituto de Física de la Universidad Nacional Autónoma de México (Mexico) Supervisor: Prof. Eduardo Andrade Ibarra.
12/2000	Social research service: *Measurement of temperatures using industrial resins over target plates used in a Pelletron Accelerator* Instituto de Física de la Universidad Nacional Autónoma de México (Mexico) Supervisor: Prof. Jorge Rickards Campbell.
8/1997-11/2002	University lectures period Physics degree. Universidad Nacional Autónoma de México (Mexico)

Professional Experience

02/2015	Investigador Titular A. Instituto de Física UNAM (Mex)
10/2012	Posdoctoral Contract Universidad de Huelva (Spain)
10/2010	Posdoctoral Contract INFN-LNS Catania (Italy)
3/2010	Posdoctoral Position CPAN-Consolider (Spain) Universidad de Huelva
5/2006-2/2010	Researcher in formation staff XI Plan Propio de Investigación

	Universidad de Huelva (Spain)
1/2005-4/2006	Fellow assigned to research project Universidad de Huelva (Spain)
1/2004-12/2004	Lecturer in formation, Subprograma-121 Facultad de Química, Universidad Nacional Autónoma de México (Mexico)
4/2002-3/2004	Researcher assistant scholarship Sistema Nacional de Investigadores, SNI (Mexico)
1/2003-12/2003	Support for outstanding thesis grade Programa de Becas de Tesis de Licenciatura, PROBETEL (Mexico)

Publications in full reference reviews:

38 publications in "full refereed reviews. (PRL, PRC, NIM-A-B, APP-B, EPJ-A, IEEE and others).

Some remarkables ones:

L. Acosta, et. al., *Probing the Merits of Different Event Parameters forthe Identification of Light Charged Particles in CHIMERA CsI(Tl) Detectors With Digital Pulse Shape Analysis*. *IEEE TRANSACTIONS ON NUCLEAR SCIENCE, VOL. 60, NO. 1, (2013)*

J. P. Fernández-García, et. al., *^{11}Li Breakup on ^{208}Pb at Energies around the Coulomb Barrier*. *PHYSICAL REVIEW LETTERS 110, 142701 (2013)*

M. Cubero, et. al., *Do Halo Nuclei Follow Rutherford Elastic Scattering at Energies Below the Barrier? The Case of 11Li*. *PHYSICAL REVIEW LETTERS 109, 262701 (2012)*

L.Acosta, et. al., *Elastic scattering and α-particle production in ^{6}He + ^{208}Pb collisions at 22 MeV*. PHYSICAL REVIEW C 84, 044604 (2011).

A. Di Pietro, et. al., *Elastic scattering and reaction mechanisms of the halo nucleus ^{11}Be around the Coulomb barrier*. *PHYSICAL REVIEW LETTERS 105, 022701 (2010)*

Research Experience.

Since 2005, constant participation in experiments related with nuclear reaction using stable and radioactive beams at different international facilities: REX-ISOLDE CERN, (Switzerland), GSI (Germany), CRC-LLN (Belgium), Ruđer Bošković Institute (Croatia), TRIUMF (Canada), CNA (Spain), CMAM (Spain), INFN-LNS-LNL (Italy), ININ (Mexico), TwinSol NotreDame (USA), GANIL (France).

Expert in silicon detection systems, particularly, multistrip systems. Working from 2005 in the preparation, commissioning and data analysis of/with arrays as DINEX, GLORIA, FARCOS, CHIMERA, GASPARD and HYDE. Spoke-person and co-Spoke person of 7 approved experiments in different laboratories around the world.