

Date of the CVA	12/06/2019
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Section A. PERSONAL DATA

Name and Surname	Ignacio Luis Ruiz Simo		
DNI	53251660J	Age	37
Researcher's identification number	Researcher ID	K-9247-2014	
	Scopus Author ID		
	ORCID	0000-0001-6171-8452	

A.1. Current professional situation

Institution	Universidad de Granada		
Dpt. / Centre	Física Atómica, Molecular y Nuclear / Facultad de Ciencias		
Address	Calle Ramón y Cajal, 54, portal 1, 3ªA, 18003, Granada		
Phone	(34) 658965320	Email	ruizsig@ugr.es
Professional category	Profesor Ayudante Doctor	Start date	2018
UNESCO spec. code	220000 - Physics		
Keywords			

A.2. Academic education (Degrees, institutions, dates)

Bachelor/Master/PhD	University	Year
Programa Oficial de Doctorado en Física	Universitat de València	2012
Máster en Física Avanzada (Especialidad Física Teórica)	Universitat de València	2007
Licenciado en Física	Universitat de València	2006

A.3. General quality indicators of scientific production

I am a postdoctoral researcher in Nuclear and Hadron Physics with 10 years of research experience.

My research papers have 819 cites in Google Scholar, 677 of them during the last 5 years. My records in other databases are similar, for instance, in INSPIRE-HEP I have 786 citations in 31 citeable papers. My H-index is 8 in Google Scholar and 11 in INSPIRE-HEP database.

I have 4 articles with more than 50 cites, and two of them have more than 200 cites in Google Scholar. In other databases my records are also similar. For instance, in INSPIRE-HEP I have 2 very well-known papers with more than 100 cites and less than 249. I also own 2 well-known papers with more than 50 cites and less than 99.

I have published 15 articles in peer-reviewed journals of the first quartile in categories such as Nuclear Physics, Particles & Fields and Multidisciplinary.

I have also contributed with several invited talks to important conferences in my field of research.

Section B. SUMMARY OF THE CURRICULUM

Section C. MOST RELEVANT MERITS (ordered by typology)

C.1. Publications

- Scientific paper.** G.D. Megias; et al. (7/6). 2019. Neutrino-Oxygen $CC0\pi$ scattering in the SuSAv2-MEC model Journal of Physics G: Nuclear and Particle Physics. IOP Publishing. 46-1, pp.1-19. ISSN 0954-3899.
- Scientific paper.** I. Ruiz Simo; et al. (4/1). 2018. Low energy peripheral scaling in nucleon–nucleon scattering and uncertainty quantification Journal of Physics G: Nuclear and Particle Physics. IOP Publishing. 45-035107. ISSN 0954-3899.
- Scientific paper.** I. Ruiz Simo; et al. (6/1). 2018. Two-nucleon emission in neutrino and electron scattering from nuclei: the modified convolution approximation Annals of Physics. Elsevier. 388, pp.323-349. ISSN 0003-4916.

- 4 **Scientific paper.** I. Ruiz Simo; et al. (4/1). 2017. Coarse grained short-range correlations Physical Review C. APS (American Physical Society). 95-054003. ISSN 2469-9985.
- 5 **Scientific paper.** I. Ruiz Simo; et al. (4/1). 2017. Coarse graining the Bethe–Goldstone equation: Nucleon–nucleon high-momentum components Physical Review C. American Physical Society (APS). 96-054006. ISSN 2469-9985.
- 6 **Scientific paper.** V.L. Martinez-Consentino; et al. (4/2). 2017. Fermi-momentum dependence of relativistic effective mass below saturation from superscaling of quasielastic electron scattering Physical Review C. American Physical Society (APS). 96-064612. ISSN 2469-9985.
- 7 **Scientific paper.** I. Ruiz Simo; et al. (6/1). 2017. Relativistic model of 2p-2h meson exchange currents in (anti)neutrino scattering Journal of Physics G: Nuclear and Particle Physics. IOP Science. 44-065105. ISSN 0954-3899.
- 8 **Scientific paper.** J.E. Amaro; E. Ruiz Arriola; I. Ruiz Simo. (3/3). 2017. Superscaling analysis of quasielastic electron scattering with relativistic effective mass Physical Review D. APS (American Physical Society). 95-076009. ISSN 2470-0010.
- 9 **Scientific paper.** I. Ruiz Simo; et al. (6/1). 2017. The frozen nucleon approximation in two-particle two-hole response functions Physics Letters B. Elsevier. 770, pp.193-199. ISSN 0370-2693.
- 10 **Scientific paper.** G.D. Megias; et al. (6/6). 2016. Charged-current neutrino-nucleus reactions within the superscaling meson-exchange current approach Physical Review D. American Physical Society (APS). 94-093004. ISSN 2470-0010.
- 11 **Scientific paper.** I. Ruiz Simo; et al. (7/1). 2016. Emission of neutron-proton and proton-proton pairs in electron scattering induced by meson-exchange currents Physical Review C. American Physical Society (APS). 94-054610. ISSN 2469-9985.
- 12 **Scientific paper.** I. Ruiz Simo; et al. (7/1). 2016. Emission of neutron–proton and proton–proton pairs in neutrino scattering Physics Letters B. Elsevier. 762, pp.124-130. ISSN 0370-2693.
- 13 **Scientific paper.** I. Ruiz Simo; et al. (6/1). 2014. Angular distribution in two-particle emission induced by neutrinos and electrons Physical Review D. American Physical Society (APS). 90-053010. ISSN 2470-0010.
- 14 **Scientific paper.** I. Ruiz Simo; et al. (6/1). 2014. Relativistic effects in two-particle emission for electron and neutrino reactions Physical Review D. American Physical Society. 90-033012. ISSN 2470-0010.
- 15 **Scientific paper.** J. Nieves; I. Ruiz Simo; M.J. Vicente Vacas. (3/2). 2013. Two Particle-Hole Excitations in Charged Current Quasielastic Antineutrino--Nucleus Scattering Physics Letters B. Elsevier. 721, pp.90-93. ISSN 0370-2693.
- 16 **Scientific paper.** M. Rafi Alam; et al. (4/2). 2012. Antineutrino induced antikaon production off the nucleon Physical Review D. American Physical Society. 85-013014. ISSN 2470-0010.
- 17 **Scientific paper.** H. Haider; I. Ruiz Simo; M. Sajjad Athar. (3/2). 2012. Neutrino (antineutrino)-Pb208 deep-inelastic scattering Physical Review C. American Physical Society (APS). 85-055201. ISSN 2469-9985.
- 18 **Scientific paper.** J. Nieves; et al. (4/3). 2012. Neutrino energy reconstruction and the shape of the charged current quasielastic-like total cross section Physical Review D. American Physical Society (APS). 85-113008. ISSN 2470-0010.
- 19 **Scientific paper.** J. Nieves; I. Ruiz Simo; M.J. Vicente Vacas. (3/2). 2012. The nucleon axial mass and the MiniBooNE quasielastic neutrino-nucleus scattering problem Physics Letters B. Elsevier. 707, pp.72-75. ISSN 0370-2693.
- 20 **Scientific paper.** J. Nieves; I. Ruiz Simo; M.J. Vicente Vacas. (3/2). 2011. Inclusive charged-current neutrino-nucleus reactions Physical Review C. American Physical Society (APS). 83-045501. ISSN 2469-9985.
- 21 **Scientific paper.** H. Haider; et al. (4/2). 2011. Nuclear medium effects in neutrino (antineutrino)-nucleus deep inelastic scattering Physical Review C. American Physical Society (APS). 84-054610. ISSN 2469-9985.
- 22 **Scientific paper.** M. Rafi Alam; et al. (4/2). 2010. Weak kaon production off the nucleon Physical Review D. American Physical Society (APS). 82-033001. ISSN 2470-0010.

- 23 **Scientific paper.** M.V. Ivanov; et al. (9/7). 2019. Realistic spectral function model for charged-current quasielastic-like neutrino and antineutrino cross sections on ^{12}C Physical Review C. American Physical Society (APS). 99-014610. ISSN 2469-9993.
- 24 **Scientific paper.** J.E. Amaro; et al. (4/4). 2018. Global Superscaling Analysis of Quasielastic Electron Scattering with Relativistic Effective Mass Physical Review C. APS (American Physical Society). 98-024627. ISSN 2469-9985.
- 25 **Scientific paper.** I. Ruiz Simo; et al. (4/1). 2018. Quasielastic charged-current neutrino scattering in the scaling model with relativistic effective mass Physical Review D. APS (American Physical Society). 97-116006. ISSN 2470-0010.
- 26 **Scientific paper.** J.E. Amaro; et al. (7/7). 2017. Density dependence of $2p$ - $2h$ meson-exchange currents Physical Review C. APS (American Physical Society). 95-065502. ISSN 2469-9985.
- 27 **Scientific paper.** H. Haider; et al. (4/4). 2017. Nuclear medium effects in Drell–Yan process Journal of Physics G: Nuclear and Particle Physics. IOP Publishing. 44-045111. ISSN 0954-3899.
- 28 **Scientific paper.** H. Haider; et al. (5/5). 2016. Nuclear medium effects in $FEM2A(x, Q^2)$ and $FWeak2A(x, Q^2)$ structure functions Nuclear Physics A. Elsevier. 955, pp.58-78. ISSN 0375-9474.
- 29 **Scientific paper.** H. Haider; et al. (4/4). 2015. Parity violating asymmetry with nuclear medium effects in polarized deep inelastic electron scattering Nuclear Physics A. Elsevier. 940, pp.138-157. ISSN 0375-9474.
- 30 **Scientific paper.** J.E. Amaro; E. Ruiz Arriola; I. Ruiz Simo. (3/3). 2015. Scaling violation and relativistic effective mass from quasi-elastic electron scattering: Implications for neutrino reactions Physical Review C. American Physical Society (APS). 92-054607. ISSN 2469-9985.
- 31 **Scientific paper.** H. Haider; et al. (5/5). 2015. Nuclear medium effects in structure functions of nucleon at moderate Q^2 Nuclear Physics A. Elsevier. 943, pp.58-82. ISSN 0375-9474.
- 32 **Scientific paper.** L. Alvarez-Ruso; et al. (5/3). 2013. Charged kaon production by coherent scattering of neutrinos and antineutrinos on nuclei Physical Review C. American Physical Society. 87-015503. ISSN 2469-9985.
- 33 **Scientific paper.** H. Haider; I. Ruiz Simo; M. Sajjad Athar. (3/2). 2013. Effects of the nuclear medium and non-isoscalarity in extracting $\text{Sin}^2(\theta_W)$ using the Paschos-Wolfenstein relation Physical Review C. American Physical Society (APS). 87-035502. ISSN 2469-9985.
- 34 **Scientific paper.** M. Rafi Alam; et al. (4/2). 2013. Charged lepton induced one kaon production off the nucleon Physical Review D. American Physical Society (APS). 87-053008. ISSN 2470-0010.
- 35 **Scientific paper.** M. Sajjad Athar; I. Ruiz Simo; M.J. Vicente Vacas. (3/2). 2011. Nuclear medium modification of the F_2 structure function Nuclear Physics A. Elsevier. 857, pp.29-41. ISSN 0375-9474.
- 36 **Scientific paper.** I. Ruiz Simo; M.J. Vicente Vacas. (2/1). 2009. Study of the derivative expansions for the nuclear structure functions Journal of Physics G: Nuclear and Particle Physics. IOP Science. 36-015104. ISSN 0954-3899.

C.2. Participation in R&D and Innovation projects

- 1 FIS2014-59386-P, Física Hadrónica y Nuclear Ministerio de Economía y Competitividad. Plan Nacional de I+D+i. Enrique Ruiz Arriola. (Universidad de Granada). 15/01/2018-31/12/2018. 84.700 €. Team member.
- 2 PYR-2014-1, Aspectos de Física Hadronica a Energías Intermedias Universidad de Granada. GENIL. Conrado Albertus Torres. (Universidad de Granada). 01/04/2014-31/01/2015. 3.000 €. Others.
- 3 FIS2011-24149, Dinámica de sistemas hadrónicos en física nuclear a energías intermedias Ministerio de Ciencia e Innovación. Proyectos de investigación del Plan Nacional de Investigación científica. Enrique Ruiz Arriola. (Universidad de Granada). 01/01/2012-31/12/2014. 108.900 €. Team member.

- 4 GVPROMETEO2009-090, Física nuclear y de hadrones a energías intermedias Generalitat Valenciana. Programa PROMETEO. Eulogio Oset Baguena. (Universitat de València). 01/01/2009-31/12/2013. 153.375 €. Team member.
- 5 FIS2008-01143, Dinámica de los sistemas hadrónicos en física nuclear a energías intermedias Ministerio de Ciencia e Innovación. Investigación. Plan nacional de investigación científica y desarrollo. Enrique Ruiz Arriola. (Universidad de Granada). 01/01/2009-31/12/2011. 96.800 €. Team member.
- 6 FIS2006-03438, Física Nuclear y de hadrones a Energías Intermedias Ministerio de Ciencia e Innovación. Investigación. Plan nacional de investigación Científica, Desarrollo e Innovación Tecnológica 2004-2007. Eulogio Oset Baguena. (Universitat de València). 01/10/2006-31/12/2011. 349.000 €. Team member.

C.3. Participation in R&D and Innovation contracts

C.4. Patents