MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CURRICULUM VITAE (maximum 4 pages)

AGENCIA ESTATAL DE INVESTIGACIÓN

Part A. PERSONAL INFORMATION

CV date	26/09/2019

First and Family name	José Santiago Pérez		
Social Security, Passport, ID number		Age	
Researcher codes	WoS Researcher ID *(*)*	D-9109-2016	
	SCOPUS Author ID*(*)*	7102426452	
	Open Researcher and Contributor ID (ORCID) **	0000-0003-3585-5626	

(*) At least one of these is mandatory
(**) Mandatory

A.1. Current position

Name of University/Institution	Universidad de Granada		
Department	Departamento de Física Teórica y del Cosmos		
Address and Country	Ed. Mecenas, Campus Fuente Nueva, 18003, Granada (Spain)		
Phone number	+34 958 241727	E-mail	jsantiago@ugr.es
Current position	Profesor Titular de Universidad	From	11/07/2011
Key words	Beyond the Standard Model Physics, Collider Phenomenology, Effective Field Theory		

A.2. Education

PhD	University	Year
Theoretical Physics (M.Sc.)	Universidad de Granada	1998
Theoretical Physics (Ph.D.)	Universidad de Granada	2002

A.3. JCR articles, h Index, thesis supervised…

Number of 6-year research periods (tramos) recognized: 3 (last one 2011-2016)
Ph.D. Theses supervised in the last 10 years: 3
Normalized Crown Index (Scopus): 2.21

WoS database
Total Number of Citations: 2708. Citations per year (2009-2019): 192
Total Number of Publications: 66
Number of publications in Q1: 56 (85%)
Number of publications in D1: 17 (26%)
h-factor: 31

Inspire database (http://inspirehep.net/author/profile/Jose.Santiago.1)
Total Number of citaitons: 4794. Average citations per article: 55.7
h-factor: 42

Part B. CV SUMMARY *(max. 3500 characters, including spaces)*

Doctor in Theoretical Physics (19/07/2002) from the University of Granada. Associate professor in Theoretical Physics since 11/07/2011. Postdoctoral research experiencee at the University of Durham (2002-2004), Fermilab (2004-2007) and ETH (2007-2009). Ramón y Cajal researcher at the U. of Granada (2009-2011). Teaching experience in Quantum Mechanics, General Relativity, Quantum Field Theory, Particle Physics, Functional Analysis and Complex Analysis at the undergraduate level and Advanced Quantum Field Theory, Approximate Methods in Physics, Beyond the Standard Model Physics and The Physics of Electroweak Symmetry Breaking at the Masters and Ph.D. program level. Supervisor of 3 Ph.D. theses (plus 1 underway), 4 Master Theses and 5 Bachelor Theses. I regularly participate in outreach activities like the European Researcher's night, the Science Week or "Café con Ciencia".

Author of 64 articles published in ISI journals, 2 of them with more than 250 citations and another 10 with more than 100 citations, according to the INSPIRE data base. Author of 20 technical papers and conference proceedings. More than 40 seminars and talks at conferences. H-index of 42 and a total of 4794 citations. Awarded the IUPAP Awards Young Scientist Prize in Particle Physics (Theory) in 2010.

Principal investigator in 5 research project at the national and regional level, researcher in 10 research projects at the international, national and regional level. Research stays in international research centers like CERN (6 months, 2014/2015) or ETH (4 months in 2015).

Reviewer for the US NSF Career Awards 2007 and the scientific journals JHEP, Phys. Lett. B, J. of Phys. G, Classical and Quantum Gravity, EJPC and Astrophysics. Member of the 2011 panel for the evaluation of the Juan de la Cierva and Ramón y Cajal programs. Evaluator for the La Caixa fellowships (2014 and 2019). Expert evaluator of the following European Research Council programs: ERC-CoG-2018, H2020 Research Infrastructure Projects, H2020 MSCA-IF (2018 and 2019). Member of the program committee of the LHCP2013 (Barcelona). Member of the local organizing committee of the International Workshop on Future Linear Collider (LCWS2011, Granada), CERN Council Open Symposium on the Update of the European Strategy for Particle Physics (Granada 2019), Planck 2019 (Granada). Convener at the LCWS 2017 (Strasbourg) and SUSY 2018 (Barcelona). Memeber of the Steering Committee of the LHC Higgs Cross Section Working Group (since 2017). Head of the Department of Theoretical Physics and the Cosmos of the University of Granada (since 2015).

Part C. RELEVANT MERITS

C.1. Publications (including books)

1) M. Bastero-Gil, J. Santiago, L. Ubaldi, R. Vega-Morales (2019), “Vector dark matter production at the end of inflation”, JCAP 1904 (2019) 015 [16 citations].

2) M. Chala, J. Santiago, M. Spannowsky (2019), “Constraining four-fermion operators using rare top decays”, JHEP 1904 (2019) 014 [12 citations].

3) J. de Blas, J.C. Criado, M. Pérez-Victoria, J. Santiago (2018), “Effective description of general extensions of the Standard Model: the complete tree-level dictionary”, JHEP 1803 (2018) 109 [37 citations].

4) F. del Águila, Z. Kunszt, J. Santiago (2016), “One-loop effective lagrangians after matching”. Eur. Phys. J. C76 (2016) no.5, 244 [49 citations].

5) J. de Blas, J. Santiago, R. Vega-Morales (2016), “New vector bosons and the diphoton excess”, Phys. Lett. B759 (2016) 247-252 [127 citations].

6) A. Carmona, A. Delgado, M. Quirós, J. Santiago (2015), “Diboson resonant production in non-custodial composite Higgs models”. JHEP 1509 (2015) 186 [48 citations].

7) J. De Blas, M. Chala, J. Santiago (2015), “Renormalization group constraints on new top interactions from electroweak precisión data”. JHEP 1509 (2015) 189 [49 citations].

8) J de Blas, M. Chala, M. Pérez-Victoria, J. Santiago (2015), “Observable effects of general new scalar particles”, JHEP 1504 (2015) 078 [46 citations].

9) J. De Blas, M. Chala, J. Santiago (2013), “Global Constraints on Lepton-Quark Interactions”, Phys. Rev. D88 (2013) 095011 [50 citations].

10) R. Barceló, A. Carmona, M. Masip, J. Santiago (2012), “Stealth gluons at hadron colliders”, Phys. Lett. B707 (2019) 88-91 [66 citations].

C.2. Research projects and grants

1) FPA2016-78220-C3-1-P. *El Modelo Estándar y sus extensiones: calculos precisos y fenomenología en grandes colisionadores y observatories de astropartículas.* Ministerio de Economía y Competitividad. PIs: Juan Antonio Aguilar-Saavedra, Manuel Pérez-Victoria (U. Granada). 30/12/2016-29/12/2019. 145200 Role: Researcher

2) FPA2013-47836-C3-2-P. *Implicaciones de nueva física en colisionadores de alta energía.* Ministerio de Economía y Competitividad. PIs: Juan Antonio Aguilar-Saavedra, José Santiago (U. Granada). 01/01/2014-31/12/2017. 85000 Role: Co-PI

3) PITN-GA-2012-316704. *The Higgs quest -exploring electroweak symmetry breaking at the LHC*. European Commission (FP7-PEOPLE-2012). PIs: Nigel Glover (U. Durham), Roberto Pittau (U. Granada). 01/01/2014-31/12/2017. 239874 : Researcher

4) P10-FQM-6552. *Cálculos precisos en física de partículas.* Junta de Andalucía. PI: Francisco del Águila (U. Granada). 15/03/2011-14/03/2015. 271527 : Researcher.

5) FPA2010-17915. *Nueva física a la escala del TeV y sus implicaciones en grandes colisionadores.* Ministerio de Ciencia e Innovación. PI: Francisco del Águila (U. Granada). 01/01/2011-30/06/2015. 221309 : Researcher

6) P07-FQM-03048. *Búsqueda de nueva física en colisionadores de partículas y observatorios de astropartículas*. Junta de Andalucía. PI: Francisco del Águila (U. Granada). 18/01/2008-17/01/2012. 331668 : Researcher

7) UCE-OO2016-02. *Unidad Científica de Excelencia: Física Teórica de Partículas Elementales*. Universidad de Granada. PI: José Santiago (U. Granada). 01/01/2017-31/12/2020. 30000 : PI

C.5. Supervision experience

Ph.D. supervision:
- Adrián Carmona, Collider implications of heavy fermions in models with extra dimensions, 06/07/2012 (Apto Cum Laude)
- Mikael Rodríguez Chala, Collider signatures of a non-standard Higgs sector, 24/06/2014 (Sobresaliente Cum Laude)
- Juan Pedro Araque, Search for heavy fermions with the ATLAS experiment at the LHC collider, 20/04/2016.
- Guilherme Guedes, A global approach to the phenomenology of little Higgs models (under way).

Supervisor of 4 Master Theses: A. Carmona (2008), M. Chala (2011), F. Cornet (2016), Roberto Corral (2019).
Supervisor of 5 Bachelor Theses: R. Mestre (2014), F. Cornet (2015), R. Corral (2018), M. Neiman (2019), P. Olgoso (2019).

C.6. Reviewer experience

Referee for the US NSF Career Awards 2007.
Referee for the Agence nationale de la reserche (ANR), France, 2015.
Referee for JHEP, Phys. Lett. B, European Journal of Physics C, Journal of Phys. G, Classical and Quantum Gravity y Astroparticle Physics.
Member of the selection committee for the Ramón y Cajal and Juan de la Cierva programs (2011).
External referee and member of the selection committee for the “la Caixa” fellowships.
Expert evaluator for the following programs of the European Research Council (ERC-CoG-2018, H2020 Research Infrastructure Projects y H2020 MSCA-IF).
Member of the Thesis Committee of J. de Blas (2010 UGR), J. A. Cabrer (2011 UAB), A. Succurro (2014 UAB).

C.5 Participation in international committees

-Member of the LHC Higgs Cross Section Working Group Steering Committee (since 2017)
-Representative of the U. of Granada for the "Preparation Meeting for the FCC International Collaboration Board" (CERN, 2014).
-Member of the program Committee of LHCP2013
-Member of the organizing Committee: LCWS2011, CERN Council Open Symposium on the Update of the European Strategy for Particle Physics (Granada 2019), Planck 2019.
-Th. Convener: Exotics WG, “Implications of LHC results for TeV Physics”, CERN (2011-12), BSM WG of “Physics at TeV Colliders”, Les Houches (2011), LCWS 2017 (Strasbourg) and SUSY 2018 (Barcelona).

C.8 Awards

- IUPAP Award Young Scientist Prize in Particle Physics (Theory). Awarded at ICHEP 2010 (París).