

CV Date	03/11/2025
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Part A. PERSONAL INFORMATION

First Name *	M ANTONIA		
Family Name *	LLEDO BARRENA		
Sex *		Date of Birth *	
ID number Social Security, Passport *		Phone Number *	
URL Web			
Email Address			
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0001-5328-2185	
	Researcher ID		
	Scopus Author ID		

* Mandatory

A.1. Current position

Job Title	TITULAR DE UNIVERSIDAD		
Starting date	2011		
Institution	Universitat de València		
Department / Centre	INSTITUT DE FÍSICA CORPUSCULAR (IFIC) / FACULTY OF PHYSICS		
Country	Spain	Phone Number	963543252 - 43252
Keywords			

A.2. Previous positions

Period	Job Title / Name of Employer / Country
2008 - 2011	Investigadora Contratada Doctora / Fundació General Universitat de València
2003 - 2008	Contratada Ramón y Cajal / Departament de Física Teòrica. Universitat de València
-	Coordinadora del segon curs del grau en Física Cursos 2012-2013 i 2013-2014 / Universitat de València

A.3. Education

Degree/Master/PhD	University / Country	Year
Licenciado en Ciencias Físicas	Universitat de València / Spain	1987
Doctora en Física	Universidad Simón Bolívar, Venezuela	1994

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- Scientific paper.** Aldana, M.; Lledo, M.A.(0/). 2023. The Fuzzy Bit. 917761 - Symmetry-Basel. 15-12. ISSN 2073-8994. <https://doi.org/10.3390/sym15122103>
- Scientific paper.** Fiorese, R.; Lledo, M.A.; Razzaq, J.(0/). 2022. N=2 quantum chiral superfields and quantum super bundles. 913824 - Journal Of Physics a-Mathematical And Theoretical. 55-38. ISSN 1751-8113. <https://doi.org/10.1088/1751-8121/ac8a2a>
- Scientific paper.** Fiorese, R.; Lledo, M.A.(0/). 2021. Quantum Supertwistors. 917761 - Symmetry-Basel. 13-7. ISSN 2073-8994. <https://doi.org/10.3390/sym13071241>

- 4 **Scientific paper.** Fiorese, R.; Latini, E.; Lledó M. A.; Nadal, F. A.(3/4). 2019. The segre embedding of quantum conformal sueprspace. 913557 - Advances In Theoretical And Mathematical Physics. 22-8, pp.1907-1968. ISSN 1095-0761. <https://doi.org/10.4310/ATMP.2018.v22.n8.a4>
- 5 **Scientific paper.** Cervantes, D.; Fiorese, R.; Lledó, M.A.; Nadal, F.A.(0/). 2016. Quantum twistors. 020085 - P-Adic Numbers, Ultrametric Analysis, and Applications. Nauka / Interperiodica. 8-1, pp.2-30. ISSN 2070-0466. <https://doi.org/10.1134/S2070046616010027>
- 6 **Scientific paper.** Cervantes, D.; Fiorese, R.; Lledó, M. A.(0/). 2011. The quantum chiral Minkowski and conformal superspaces. 913557 - Advances In Theoretical And Mathematical Physics. 15-2, pp.565-620. ISSN 1095-0761.
- 7 **Scientific paper.** Lledó, M. A.; Sommovigo, L.(0/). 2010. Torsion formulation of gravity. 903219 - Classical and Quantum Gravity. 27, pp.1-16. ISSN 0264-9381.
- 8 **Scientific paper.** Fiorese, R.; Lledó, M.A.; Varadarajan, V.S.(0/3). 2007. The Minkowski and conformal superspaces. 903369 - Journal of Mathematical Physics. 48, pp.1-27. ISSN 0022-2488.
- 9 **Scientific paper.** Fiorese, R.; Lledó, M. A.; Varadarajan, V. S.(0/3). 2005. On the deformation quantization of affine algebraic varieties. 909554 - International Journal of Mathematics. 16, pp.419-436. ISSN 0129-167X. <https://doi.org/10.1142/S0129167X05002898>
- 10 **Scientific paper.** Andrianopoli, L.; Lledó, M. A.; Trigiante, M.(0/3). 2005. The Scherk-Schwarz mechanism as a flux compactification with internal torsion. 910668 - The Journal of high energy physics. Società italiana di fisica. 0505051, pp.0511-29. ISSN 1126-6708. <https://doi.org/10.1088/1126-6708/2005/05/051>
- 11 **Book chapter.** Cervantes, D.; Fiorese, R.; Lledo,M. A.2011. On chiral quantum superspaces. Supersymmetry in Mathematics and Physics. Lecture Notes in mathematics. Springer (USA). 2027, pp.69-99. ISBN 9783642217432.
- 12 **Book chapter.** M.A. Lledo; O. Maciá; A. Van Proeyen; S. Varadarajan. 2010. Special geometry for arbitrary signatures. Handbook of Pseudo-Riemannian Geometry and Supersymmetry. IRMA Lectures in Mathematics and Theoretical Physics. Editor: Vicente Cortés (University of Hamburg, Germany). European Mathematical Society. 16-Chapter 4, pp.85-147. ISBN 978-3-03719-079-1.
- 13 **Book chapter.** Lledo,M. A.2009. Special geometry of D=4,5 geometry. Symmetries in mathematics and Physics. Contemporary Mathematics Series. AMS Press. pp.1-12.
- 14 **Scientific book or monograph.** Rita Fiorese; María Antonia Lledó. 2015. The Minkowski and conformal superspaces: the classical and quantum descriptions. World Scientific Publishing. pp.1-341. ISBN 9789814566339.

C.2. Conferences and meetings

- 1 M. A. Lledó, Super invariants and Super Plücker Relations. Quantum Theory and Symmetries 2025. Yereván, Armenia.
- 2 M. A. Lledó, 33rd/35th International Colloquium on Group theoretical Mehods in Physics. Cotonou, Benin (2024). A quantum deformation of the compactified (super) Minkowski space.
- 3 M. A. Superfields and superschemes. Superday. USPO - Università degli Studi del Piemonte Orientale 'Amadeo Avogadro'. 2020. Italy. Participatory - oral communication. Conference.
- 4 María A Lledó. Supergrassmannians, superflags and the conformal superspace. 7th International Workshop on New Challenges in Quantum Mechanics: Integrability and Supersymmetry. 16437 - Centro de Ciencias de Benasque Pedro Pascual. 2019. Spain. Participatory - oral communication. Conference.
- 5 M. A. Lledó. The fuzzy bit. Math Quantum Day. 16438 - IMAC Universitat Jaume Primer. 2019. Spain. Participatory - oral communication. Conference.
- 6 Lledo, M.A.. Conformal superspaces, projectivity and quantization. 32 International Colloquium on Group Theoretical Methods in Physics (Group32). 12361 - Czech Technical University in Prague. 2018. Czech Republic. Participatory - oral

communication. Conference.

C.3. Research projects and contracts

- 1 **Project.** PID2023-149560NBC21, Retos actuales en gravedad y campos: aspectos clásicos y cuánticos. Ministerio de Ciencia e Innovación. Gonzalo Olmo Alba. (Universitat de València). 01/01/2024-31/12/2027.
- 2 **Project.** California 101119552, Cartan and differential geometry, Lie theory, quantum groups and non commutative geometry For Novel and Innovative Applications to quantum algorithms and geometric deep learning. California. Unió Europea. Rita Fiorese. María A. Lledó en Valencia.(Università degli studi di Bologna. (Itàlia)). 01/01/2024-31/12/2027.
- 3 **Project.** Caligola 101086123, Cartan geometry, Lie and representation theory, Integrable Systems, quantum Groups and quantum computing towards the understanding of the geometry of deep Learning and its Applications. Caligola. Unió Europea. Rita Fiorese. María A. Lledó en Valencia.(Università degli studi di Bologna. (Itàlia)). 01/01/2023-31/12/2026.
- 4 **Project.** Acción COST CA21109, Cartan geometry, Lie, Integrable Systems, quantum group Theories for Applications. Calista. COST (Unión Europea). Rita Fiorese. María A. Lledó en Valencia.(Università degli studi di Bologna. (Itàlia)). 14/10/2022-13/10/2026.

C.5. Stays in public or private R&D centres

- 1 Istituto Nazionale di Fisica Nucleare, Sezione di Torino (destacada al Politecnico di Torino). Italy. Turín. From 2001. 2 years. Contractat.
- 2 Dipartimento di Fisica. Politecnico di Torino. Italy. Turín. From 1998. 2 years - 8 months. Post-doctoral.
- 3 Department of Physics. University of California. United States of America. Los Angeles. From 1995. 3 years. Post-doctoral.
- 4 Centro de Física. Instituto Venezolano de Investigaciones Científicas. Venezuela. Caracas. From 1994. 1 year - 5 months. Post-doctoral.
- 5 Departamento de Física. Universidad Simón Bolívar. Venezuela. Caracas. From 1989. 4 years - 7 months. **Doctorand.

C.6. Preprints

1. Razzaq, J. Fiorese. R. Lledó. M. A. On Fundamental Theorems of Super Invariant Theory. [arXiv:2504.07076](https://arxiv.org/abs/2504.07076) [math.RA]