



RAMON LOPEZ PEÑA

Datos Generales

Nombre: RAMON LOPEZ PEÑA

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 39 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
Instituto de Ciencias Nucleares
Desde 16-10-2017

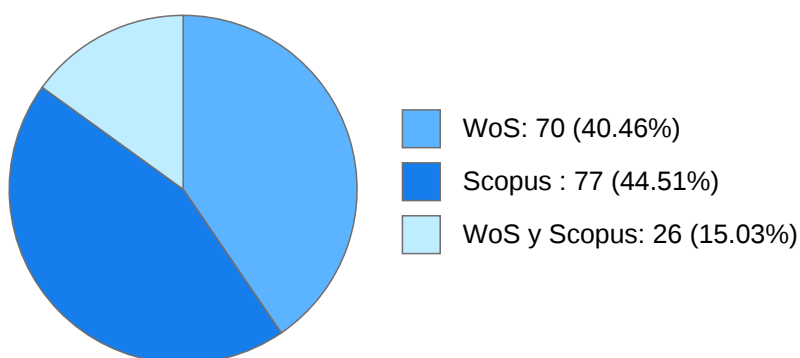
Estímulos, programas, premios y reconocimientos

SNI I 2023 - 2024
SNI II 2022
SNI II 2018 - 2021
SNI I - 2017
PRIDE C - 2024

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Geometric properties of qudit systems	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2025
2	Characterization of Pd-modified TiO ₂ -based thin films and their effect on photocatalytic activity	RAMON LOPEZ PEÑA D. A. Solis-Casados L. Escobar-Alarcon et al.	Journal Of Materials Science-Materi als In Engineering	2025
3	Storing quantum information in a generalised Dicke model via a simple rotation	RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA et al.	JOURNAL OF PHYSICS A-MATHEMATIC AL AND THEORETICAL	2023
4	Effect of the atomic dipole-dipole interaction on the phase diagrams of field-matter interactions: Variational procedure	SERGIO ARTURO CORDERO REYES OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2022
5	Geometry, quantum correlations, and phase transitions in the π -atomic configuration	RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR O. Castanos et al.	JOURNAL OF PHYSICS A-MATHEMATIC AL AND THEORETICAL	2022

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6	Quantum phase diagrams of matter-field Hamiltonians I: Fidelity, Bures distance, and entanglement	SERGIO CORDERO REYES EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2021
7	Quantum phase diagrams of matter-field Hamiltonians II: Wigner function analysis	RAMON LOPEZ PEÑA SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR et al.	PHYSICA SCRIPTA	2021
8	The structure of phase diagrams in matter-radiation systems*	EDUARDO NAHMAD ACHAR SERGIO CORDERO REYES RAMON LOPEZ PEÑA	PHYSICA SCRIPTA	2020
9	Reduced bases for a three-level atom interacting with a two-mode radiation field	SERGIO ARTURO CORDERO REYES OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2019
10	Optimal basis for the generalized Dicke model	SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICAL REVIEW A	2019
11	Dynamic generation of light states with discrete symmetries	SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICAL REVIEW A	2018
12	Phase space properties of light within the generalised Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	PHYSICA SCRIPTA	2018
13	Universal critical behaviour of 3-level atoms interacting dipolarly with radiation	OCTAVIO HECTOR CASTAÑOS GARZA SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2018
14	Geometry and entanglement of two-qubit states in the quantum probabilistic representation	JULIO ALBERTO LOPEZ SALDIVAR OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR et al.	ENTROPY	2018
15	The variational method for density states a geometrical approach	ARMANDO FIGUEROA ORTIZ OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2017
16	A general system of n levels interacting with l electromagnetic modes	SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICA SCRIPTA	2017
17	Extremal Density Matrices for the Expectation Value of a Qudit Hamiltonian	OCTAVIO HECTOR CASTAÑOS GARZA JUAN CARLOS LOPEZ VIEYRA RAMON LOPEZ PEÑA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2017
18	Evolution and Entanglement of Gaussian States in the Parametric Amplifier	JULIO ALBERTO LOPEZ SALDIVAR ARMANDO FIGUEROA ORTIZ OCTAVIO HECTOR CASTAÑOS GARZA et al.	JOURNAL OF RUSSIAN LASER RESEARCH	2016

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19	Coupling n-level Atoms with I-modes of Quantised Light in a Resonator	OCTAVIO HECTOR CASTAÑOS GARZA SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2016
20	Variational study of Ψ and N atomic configurations interacting with an electromagnetic field of two modes	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	PHYSICAL REVIEW A	2016
21	Discretization of the Density Matrix as a Nonlinear Positive Map and Entanglement	JULIO ALBERTO LOPEZ SALDIVAR ARMANDO FIGUEROA ORTIZ OCTAVIO HECTOR CASTAÑOS GARZA et al.	JOURNAL OF RUSSIAN LASER RESEARCH	2016
22	Entropy-energy inequalities for qudit states	Armando Figueroa Julio Lopez OCTAVIO HECTOR CASTAÑOS GARZA et al.	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2015
23	Symmetry adapted coherent states for three-level atoms interacting with one-mode radiation	RAMON LOPEZ PEÑA SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR et al.	PHYSICA SCRIPTA	2015
24	Phase diagrams of systems of two and three levels in the presence of a radiation field	EDUARDO NAHMAD ACHAR SERGIO ARTURO CORDERO REYES OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICA SCRIPTA	2015
25	Polychromatic phase diagram for n-level atoms interacting with modes of an electromagnetic field	SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2015
26	Fidelity, susceptibility and critical exponents in the Dicke model	MIGUEL ANGEL BASTARRACHEA MAGNANI OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
27	Single and collective regimes in three-level systems interacting with a one-mode electromagnetic field	OCTAVIO HECTOR CASTAÑOS GARZA SERGIO ARTURO CORDERO REYES RAMON LOPEZ PEÑA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
28	Phase transitions in three-level systems in a cavity	EDUARDO NAHMAD ACHAR SERGIO ARTURO CORDERO REYES OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYS SCRIPTA	2014
29	A triple point in 3-level systems	EDUARDO NAHMAD ACHAR SERGIO ARTURO CORDERO REYES RAMON LOPEZ PEÑA et al.	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2014
30	Quantum phase transitions of three-level atoms interacting with a one-mode electromagnetic field	SERGIO ARTURO CORDERO REYES RAMON LOPEZ PEÑA OCTAVIO HECTOR CASTAÑOS GARZA et al.	PHYSICAL REVIEW A	2013

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31	Virtues and limitations of the truncated Holstein-Primakoff description of quantum rotors	JORGE GUSTAVO HIRSCH GANIEVICH OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2013
32	Mathematical methods in quantum optics: The Dicke model	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2013
33	Quantum phase crossovers with finite atom number in the Dicke model	JORGE GUSTAVO HIRSCH GANIEVICH OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR et al.	PHYSICA SCRIPTA	2013
34	A semi-classical versus quantum description of the ground state of three-level atoms interacting with a one-mode electromagnetic field	SERGIO ARTURO CORDERO REYES OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	JOURNAL OF PHYSICS A-MATHEMATIC AL AND THEORETICAL	2013
35	Universal critical behavior in the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2012
36	Quantum information approach to the description of quantum phase transitions	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2012
37	Matter-field entanglement within the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	AIP Conference Proceedings	2012
38	Universal critical behaviour in finite atom-field systems	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
39	Quantum behaviour mirrored by semi-classical states	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
40	Analytic description of the super-radiant regime in the dicke model	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
41	Mean field description of the Dicke model	JORGE GUSTAVO HIRSCH GANIEVICH OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
42	Quantum phase transitions in the LMG model by means of quantum information concepts	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2012

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43	Erratum: Superradiant phase in field-matter interactions (Physical Review A – Atomic, Molecular, and Optical Physics (2011) 84 (013819))	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2011
44	No singularities in observables at the phase transition in the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2011
45	Superradiant phase in field-matter interactions	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2011
46	Entanglement and localization of a two-mode Bose-Einstein condensate	Citali Perez Campos Jose Raul Gonzalez Alonso OCTAVIO HECTOR CASTAÑOS GARZA et al.	ANNALS OF PHYSICS	2010
47	Symmetry adapted states and the quantum phase transition in the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2010
48	Analytic approximation of the Tavis-Cummings ground state via projected states	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2009
49	Metallic layers added by plasma on polyethylene	RAMON LOPEZ PEÑA Cruz, G. J. Olayo, M. G. et al.	PROGRESS IN ORGANIC COATINGS	2009
50	Coherent state description of the ground state in the Tavis-Cummings model and its quantum phase transitions	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	PHYSICA SCRIPTA	2009
51	A new approach to obtain the non-Condon factors in closed form for two one-dimensional harmonic oscillators	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA RENATO LEMUS CASILLAS	JOURNAL OF MOLECULAR SPECTROSCOPY	2007
52	Classical and quantum phase transitions in the Lipkin-Meshkov-Glick model	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA JORGE GUSTAVO HIRSCH GANIEVICH et al.	PHYSICAL REVIEW B	2006
53	Phase transitions and accidental degeneracy in nonlinear spin systems	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA JORGE GUSTAVO HIRSCH GANIEVICH et al.	PHYSICAL REVIEW B	2005
54	Squeeze tomography of quantum states	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko M.A. et al.	J PHYS A-MATH GEN	2004
55	Kernel of star-product for spin tomograms	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko M.A. et al.	J PHYS A-MATH GEN	2003

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56	Nonstationary linear spin systems in the probability representation	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko M.A. et al.	J OPT B-QUANTUM S O	2003
57	Study of electron energy in the chemistry of the glow discharge plasma in the Novillo tokamak	RAMON LOPEZ PEÑA Cruz G.J. Olayo M.G. et al.	FUSION TECHNOL	2001
58	New regime of runaway discharges in Tokamaks	RAMON LOPEZ PEÑA Galvão R.M.O. Kuznetsov Y.K. et al.	PLASMA PHYSICS AND CONTROLLED FUSION	2001
59	Magnetic field simulation of hourglass-ohmic heating transformer-driven Novillo Tokamak	RAMON LOPEZ PEÑA Chávez E. Meléndez L. et al.	FUSION TECHNOL	2001
60	Start-up without preionization in NOVILLO tokamak	RAMON LOPEZ PEÑA Meléndez L. Chávez E. et al.	IEEE TRANSACTIONS ON PLASMA SCIENCE	2000
61	Start-up without preionization in NOVILLO	RAMON LOPEZ PEÑA Meléndez T.L. Châvez E. et al.	IEEE TRANSACTIONS ON PLASMA SCIENCE	2000
62	Photon distribution in nonlinear coherent states	RAMON LOPEZ PEÑA Man'ko V.I. Marmo G. et al.	JOURNAL OF RUSSIAN LASER RESEARCH	2000
63	Titanium deuteration with neutron emission through electrical discharges	RAMON LOPEZ PEÑA Melendez L. Chavez E. et al.	FUSION TECHNOL	1999
64	Sorption of hydrogen in titanium plates at low pressure	RAMON LOPEZ PEÑA Olayo M.G. Cruz G.J. et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	1998
65	Absorption of deuterium in titanium plates induced by electric discharges	RAMON LOPEZ PEÑA Olayo M.G. Cruz G.J. et al.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	1998
66	Schrödinger cat states in a Penning trap	OCTAVIO HECTOR CASTAÑOS GARZA SAHEN HACRYAN SALERYAN RAMON LOPEZ PEÑA et al.	J PHYS A-MATH GEN	1998
67	Schrödinger-cat states in Paul traps	OCTAVIO HECTOR CASTAÑOS GARZA ROCIO JAUREGUI RENAUD RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	1997
68	Wigner's problem for a precessing magnetic dipole	RAMON LOPEZ PEÑA MaN'Ko V.I. Marmo G.	PHYSICAL REVIEW A	1997

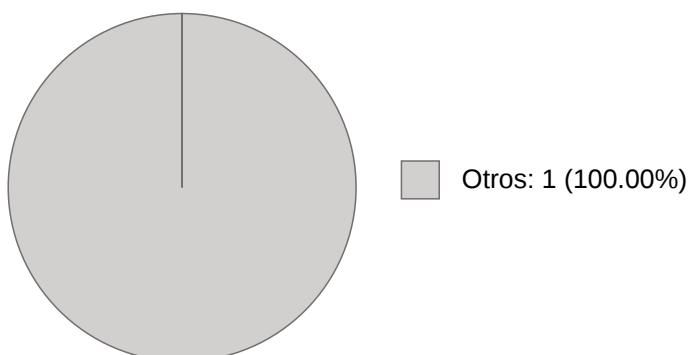
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69	A red perpex 4034 dose reader	RAMON LOPEZ PEÑA Galindo S.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	1996
70	Variational formulation of linear time-dependent invariants	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko V.I.	EPL	1996
71	Estimation of Zeff in Novillo Tokamak	RAMON LOPEZ PEÑA Valencia R. Olayo G. et al.	J NUCL MATER	1996
72	Electrical single probe with an automatic positioner	RAMON LOPEZ PEÑA Meléndez L. Sánchez A.M. et al.	REVIEW OF SCIENTIFIC INSTRUMENTS	1996
73	Schrödinger cat states of a non-stationary generalized oscillator	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko V.I.	J PHYS A-MATH GEN	1996
74	Crystallized schrödinger cat states	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko V.I.	JOURNAL OF RUSSIAN LASER RESEARCH	1995
75	Noether's theorem and time-dependent quantum invariants	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA Man'ko V.I.	J PHYS A-MATH GEN	1994
76	Noether's theorem and accidental degeneracy	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA	J PHYS A-MATH GEN	1992
77	Noether's theorem and dynamical groups in quantum mechanics	OCTAVIO HECTOR CASTAÑOS GARZA ALEJANDRO FRANK HOEFELICH RAMON LOPEZ PEÑA	J PHYS A-MATH GEN	1990

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

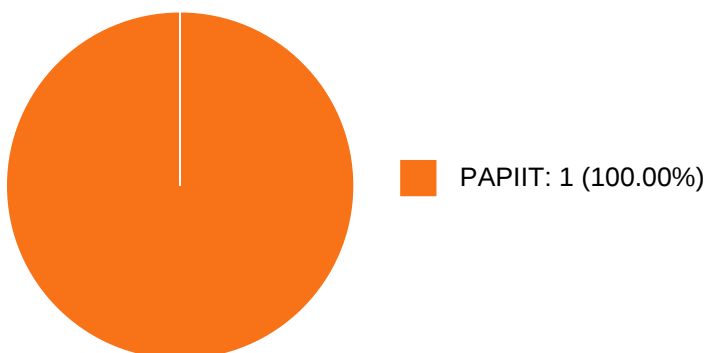


#	Título	Autores	Alcance	Año	ISBN
1	Phase diagrams of 3-level systems interacting with electromagnetic radiation	OCTAVIO HECTOR CASTAÑOS GARZA SERGIO ARTURO CORDERO REYES RAMON LOPEZ PEÑA et al.	Conferenc e Paper	2014	9781557528254

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

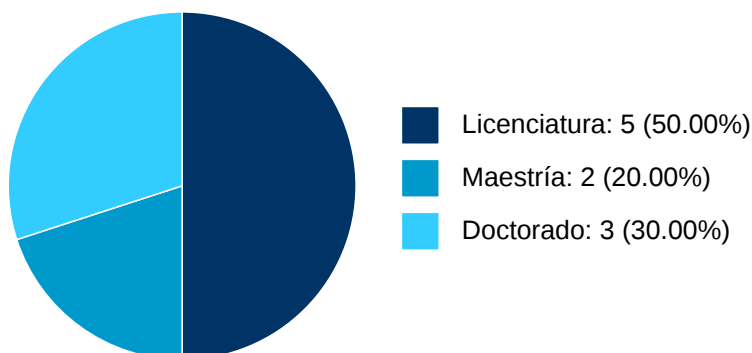


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Estudio de la dinámica de sistemas de 3-niveles interactuando con el campo electromagnético y sus estados fuera del equilibrio.	RAMON LOPEZ PEÑA	Recursos PAPIIT	01-01-2020	31-12-2022

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Chaos, scarring and localization in a spin-boson system	Tesis de Doctorado	PABLO BARBERIS BLOSTEIN,	RAMON LOPEZ PEÑA, Villaseñor Pérez, David Benjamín,	Instituto de Ciencias Nucleares, Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas,	2022
2	Cooperativity in matter-radiation interaction models	Tesis de Doctorado	RAMON LOPEZ PEÑA,	EDUARDO NAHMAD ACHAR, VICTOR MANUEL VELAZQUEZ AGUILAR, et al.	Facultad de Ciencias, Instituto de Ciencias Nucleares,	2018
3	Extremal density matrices for qudit states	Tesis de Doctorado	ROCIO JAUREGUI RENAUD,	RAMON LOPEZ PEÑA, Figueroa Ortiz, Armando,	Instituto de Ciencias Nucleares, Instituto de Física,	2017
4	Correlaciones cuánticas y su cálculo en sistemas simples	Tesis de Licenciatura	RAMON LOPEZ PEÑA,	Pérez Jiménez, Mario,	Instituto de Ciencias Nucleares,	2016

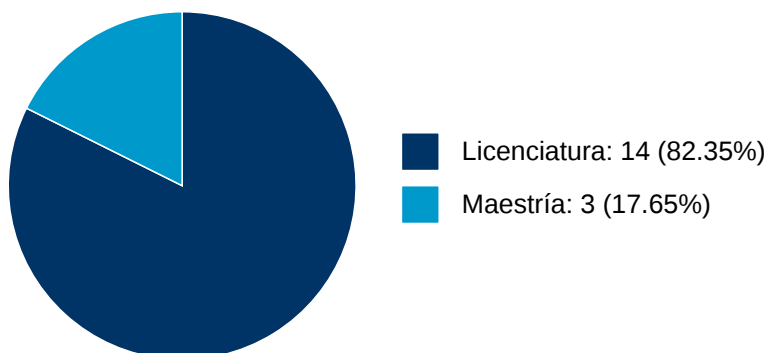
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5	Mediciones débiles en mecánica cuántica	Tesis de Licenciatura	RAMON LOPEZ PEÑA,	Alvarado Sánchez, Anahí,	Instituto de Ciencias Nucleares,	2015
6	Diagonalización del hamiltoniano para sistemas atómicos de 2 y 3 niveles en presencia de radiación en el límite termodinámico	Tesis de Licenciatura	RAMON LOPEZ PEÑA,	Álvarez Girón, William Eduardo,	Instituto de Ciencias Nucleares,	2015
7	Estados cristalizados : generación y propiedades	Tesis de Maestría	RAMON LOPEZ PEÑA,	JAVIER VITELA ESCAMILLA, López Saldívar, Julio Alberto,	Instituto de Ciencias Nucleares,	2011
8	Transiciones de fase en condensados de Bose-Einstein de dos modos	Tesis de Maestría	RAMON LOPEZ PEÑA,	Pérez Campos, Citlali,	Instituto de Ciencias Nucleares,	2009
9	Pseudodistribuciones de probabilidad para sistemas cuánticos con espín	Tesis de Licenciatura	RAMON LOPEZ PEÑA,	González Alonso, José Raúl,	Instituto de Ciencias Nucleares,	2008
10	Aplicación de los estados coherentes a sistemas cuánticos simples	Tesis de Licenciatura	RAMON LOPEZ PEÑA,	Sanchez Santos, Oscar,		2007

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	TEM. SELEC.FISICA MATEMAT.TEOR.I	Facultad de Ciencias	4	2023-1
2	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO.II	Facultad de Ciencias	22	2017-2
3	Maestría	SEMINARIO DE INVESTIGACION I-394264	Instituto de Ciencias Aplicadas y Tecnología	1	2017-1
4	Maestría	MECANICA CUANTICA II-394327	Instituto de Ciencias Nucleares	12	2017-1
5	Maestría	MECANICA CUANTICA I	Instituto de Ciencias Nucleares	8	2016-2
6	Licenciatura	SIMETRIAS EN MECANICA CUANTICA	Facultad de Ciencias	3	2016-1
7	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	14	2015-2
8	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	11	2015-1
9	Licenciatura	MECANICA CUANTICA	Facultad de Ciencias	9	2015-1
10	Licenciatura	SIMETRIAS EN MECANICA CUANTICA	Facultad de Ciencias	7	2014-1
11	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	7	2013-2
12	Licenciatura	FILOSOFIA DE LA FISICA II	Facultad de Ciencias	6	2013-1
13	Licenciatura	SIMETRIAS EN MECANICA CUANTICA	Facultad de Ciencias	9	2012-2
14	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO.II	Facultad de Ciencias	8	2011-2
15	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO.II	Facultad de Ciencias	5	2010-2
16	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR II	Facultad de Ciencias	18	2010-1
17	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	6	2009-2



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024