



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



EDUARDO NAHMAD ACHAR

Datos Generales

Nombre: EDUARDO NAHMAD ACHAR

Máximo nivel de estudios: POSDOCTORADO

Antigüedad académica en la UNAM: 24 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Ciencias Nucleares
Desde 01-10-2019

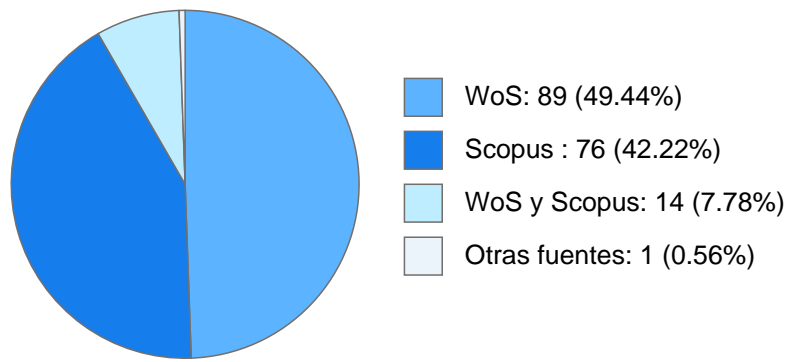
Estímulos, programas, premios y reconocimientos

SNI III - 2024
PRIDE D 2016 - 2024
PRIDE C - 2016

EDUARDO NAHMAD ACHAR

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The Hurwitz–Hopf map and harmonic wave functions for integer and half-integer angular momentum	EDUARDO NAHMAD ACHAR Hojman S.A. Sánchez-Valenzuela A.	PHYSICA SCRIPTA	2023
2	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-MATHEMATICAL AND THEORETICAL	2023
3	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
4	Geometry, quantum correlations, and phase transitions in the n -atomic configuration	RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR O. Castanos et al.	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2022
5	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

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6	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
7	The structure of phase diagrams in matter-radiation systems*	EDUARDO NAHMAD ACHAR SERGIO CORDERO REYES RAMON LOPEZ PEÑA	PHYSICA SCRIPTA	2020
8	Quantum-Optical set-up for the Monty Hall problem	LUIS FERNANDO QUEZADA MATA JOSE ALBERTO MARTIN RUIZ ALEJANDRO FRANK HOEFLICH et al.	PHYSICA SCRIPTA	2020
9	Is a Deterministic and Local Interpretation of Quantum Mechanics Possible?... First Steps	EDUARDO NAHMAD ACHAR NATALIA SANCHEZ KUNTZ	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2020
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	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
12	Entropy of entanglement between quantum phases of a three-level matter-radiation interaction model	LUIS FERNANDO QUEZADA MATA EDUARDO NAHMAD ACHAR	ENTROPY	2018
13	Differential Topology and Geometry with Applications to Physics Preface	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
14	Curves and surfaces in E-3	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
15	General relativity	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
16	Integral curves and Lie derivatives	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
17	Tensor fields and commutators	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
18	Gravitational radiation	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
19	Maps between manifolds	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
20	Tensor algebra	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
21	Pseudo-Riemannian metric	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
22	Differentiable manifolds	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018
23	Differential forms and exterior calculus	EDUARDO NAHMAD ACHAR	lop Expanding Physics	2018

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24	Integration on manifolds	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
25	Geodesics	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
26	Elements of topology	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
27	Linear connections	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
28	Torsion and curvature	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
29	Tangent vectors and tangent spaces	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
30	Newtonian space-time and thermodynamics	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
31	Synopsis of general relativity	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
32	Special relativity, electrodynamics, and the Poincare group	EDUARDO NAHMAD ACHAR	Iop Expanding Physics	2018
33	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
34	Quantum Locality, Rings a Bell?: Bell's Inequality Meets Local Reality and True Determinism	NATALIA SANCHEZ KUNTZ EDUARDO NAHMAD ACHAR	Foundations Of Physics	2018
35	Quantum phases of a three-level matter-radiation interaction model using SU(3) coherent states with different cooperation numbers	LUIS FERNANDO QUEZADA MATA EDUARDO NAHMAD ACHAR	PHYSICAL REVIEW A	2018
36	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
37	Universal critical behaviour of 3-level atoms interacting dipolarly with radiation	OCTAVIO HECTOR CASTAÑOS GARZA SERGIO ARTURO CORDERO REYES EDUARDO NAHMAD ACHAR et al.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2018
38	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
39	Characterization of the quantum phase transition in a two-mode Dicke model for different cooperation numbers	EDUARDO NAHMAD ACHAR Quezada, L.F.	PHYSICAL REVIEW A	2017
40	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

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41	Characterization of the quantum phase transition in a two-mode Dicke model for different cooperation numbers	LUIS FERNANDO QUEZADA MATA EDUARDO NAHMAD ACHAR	PHYSICAL REVIEW A	2017
42	Multiscale Modeling of the Effect of Pressure on the Interfacial Tension and Other Cohesion Parameters in Binary Mixtures	EDUARDO NAHMAD ACHAR Mayoral, E.	JOURNAL OF PHYSICAL CHEMISTRY B	2016
43	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.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2016
44	Variational study of M 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
45	Disruptive Innovation Opportunities in the Chinese Decorative Paint Business	EDUARDO NAHMAD ACHAR Auger, Jean-Claude	Jct Coatingstech	2016
46	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
47	Lorentz transformations for massive two-particle systems: Entanglement change and invariant subspaces	ESTEBAN CASTRO RUIZ EDUARDO NAHMAD ACHAR	PHYSICA SCRIPTA	2015
48	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
49	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
50	Parametrisation in dissipative particle dynamics: Applications in complex fluids	EDUARDO NAHMAD ACHAR Mayoral-Villa E.	Environmental Science and Engineering-En vironmental Engineering	2015
51	Scaling Properties in the Adsorption of Ionic Polymeric Surfactants on Generic Nanoparticles of Metallic Oxides by Mesoscopic Simulation	ESTELA MAYORAL VILLA EDUARDO NAHMAD ACHAR	Environmental Science and Engineering-En vironmental Engineering	2014
52	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
53	Quantum and classical capacity boosted by a Lorentz transformation	ESTEBAN CASTRO RUIZ EDUARDO NAHMAD ACHAR Bradler, Kamil	PHYSICAL REVIEW A	2014

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54	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
55	Fidelity, susceptibility and critical exponents in the Dicke model	MIGUEL ANGEL BASTARRACHEA MAGNANI OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR et al.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2014
56	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.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2014
57	Preface: II Cinvestav-UNAM Symposium on High Energy Physics, Particles & Neutrinos in an Astrophysical Context	EDUARDO NAHMAD ACHAR JOSE DAVID VERGARA OLIVER Herrera G. et al.	AIP Conference Proceedings	2013
58	Physics in Higher Dimensions, Knots, and Differentiable Structures	EDUARDO NAHMAD ACHAR	AIP Conference Proceedings	2013
59	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
60	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
61	Mathematical methods in quantum optics: The Dicke model	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	PHYSICA SCRIPTA	2013
62	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
63	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-MATHEMATICAL AND THEORETICAL	2013
64	Study of structural properties in complex fluids by addition of surfactants using DPD simulation	EDUARDO NAHMAD ACHAR JOSE MANUEL MARTINEZ MAGADAN Mayoral E. et al.	Environmental Science and Engineering-Environmental Engineering	2013
65	Universal critical behavior in the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2012

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66	On the spectrum of field quadratures for a finite number of photons	EMILIO PISANTY ALATORRE EDUARDO NAHMAD ACHAR	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	2012
67	Study of interfacial tension between an organic solvent and aqueous electrolyte solutions using electrostatic dissipative particle dynamics simulations	EDUARDO NAHMAD ACHAR Mayoral, E.	JOURNAL OF CHEMICAL PHYSICS	2012
68	Entanglement properties of a system of two spin-1 particles under a Lorentz transformation	ESTEBAN CASTRO RUIZ EDUARDO NAHMAD ACHAR	PHYSICAL REVIEW A	2012
69	Quantum behaviour mirrored by semi-classical states	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
70	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
71	Mean field description of the Dicke model	JORGE GUSTAVO HIRSCH GANIEVICH OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
72	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.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2012
73	Diameter rules demand	EDUARDO NAHMAD ACHAR Mayoral E. Rodríguez J.	European Coatings Journal	2012
74	Quantum information approach to the description of quantum phase transitions	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	XLII SYMPOSIUM ON NUCLEAR PHYSICS 2019	2012
75	Matter-field entanglement within the Dicke model	OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA EDUARDO NAHMAD ACHAR et al.	AIP Conference Proceedings	2012
76	Universal critical behaviour in finite atom-field systems	EDUARDO NAHMAD ACHAR OCTAVIO HECTOR CASTAÑOS GARZA RAMON LOPEZ PEÑA et al.	AIP Conference Proceedings	2012
77	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
78	Superradiant phase in field-matter interactions	OCTAVIO HECTOR CASTAÑOS GARZA EDUARDO NAHMAD ACHAR RAMON LOPEZ PEÑA et al.	PHYSICAL REVIEW A	2011

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79	On the relativistic invariance of entanglement	ESTEBAN CASTRO RUIZ EDUARDO NAHMAD ACHAR	REVISTA MEXICANA DE FISICA	2011
80	STUDY OF PROCESS CONTAMINANTS ADSORPTION-DESORPTION MEDIA CONFINED BY COMPUTER SIMULATION	EDUARDO NAHMAD ACHAR Mayoral, Estela De la Cruz, Eduardo et al.	REVISTA INTERNACIONAL DE CONTAMINACION AMBIENTAL	2011
81	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
82	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
83	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
84	Colloidal Stability Dependence on Polymer Adsorption through Disjoining Pressure Isotherms	EDUARDO NAHMAD ACHAR Goicochea, A. Gama Perez, E.	Langmuir	2009
85	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
86	Novel tools for coating developers: A solution to the inverse problem in formulation	JAVIER VITELA ESCAMILLA EDUARDO NAHMAD ACHAR Nakamura R. et al.	JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH	2007
87	Buried plastic scintillator muon telescope	GUSTAVO ADOLFO MEDINA TANCO JUAN CARLOS D'OLIVO SAEZ GUY PAIC et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007
88	Electromagnetic and muon primary discrimination from underground scintillator signatures	GUSTAVO ADOLFO MEDINA TANCO EDUARDO NAHMAD ACHAR JUAN CARLOS D'OLIVO SAEZ et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007

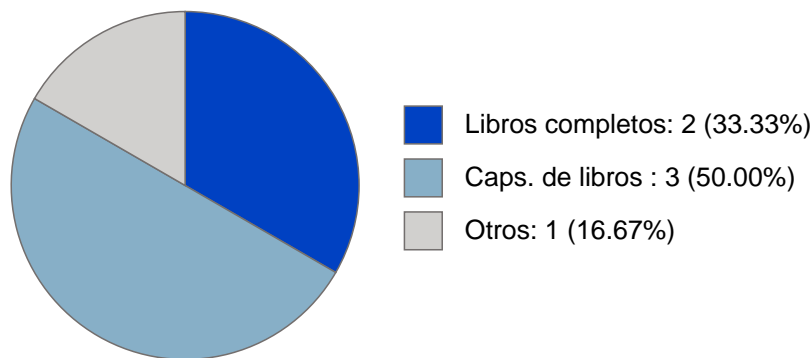
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89	Modeling, prediction, and analysis of alkyl enamel coating properties via neural computing	JAVIER VITELA ESCAMILLA EDUARDO NAHMAD ACHAR	JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH	2006
90	Radiation-transfer calculations for the diffuse reflectance from pigmented coatings	EDUARDO NAHMAD ACHAR RUBEN GERARDO BARRERA Y PEREZ Curiel F.	Piers 2005 - Progress In Electromagnetics Research Symposium, Proceedings	2005
91	Variational derivation of the equations of motion for a perfect fluid in a rotating cylinder	EDUARDO NAHMAD ACHAR	JOURNAL OF MATHEMATICAL PHYSICS	1993
92	Spontaneous compactification and coupling constants in a geometric model for $SU(2) \times U(1)$ with gravity	EDUARDO NAHMAD ACHAR MARCOS ROSENBAUM PITLUCK RAYMUNDO BAUTISTA RAMOS et al.	PHYSICAL REVIEW D	1990
93	A new derivation of the quadrupole formula for angular momentum	EDUARDO NAHMAD ACHAR	JOURNAL OF MATHEMATICAL PHYSICS	1989
94	Geometric model for gravitational and electroweak interactions	MARCOS ROSENBAUM PITLUCK JUAN CARLOS D'OLIVO SAEZ EDUARDO NAHMAD ACHAR et al.	JOURNAL OF MATHEMATICAL PHYSICS	1989
95	On generalized Kerr-Schild transformations	EDUARDO NAHMAD ACHAR	JOURNAL OF MATHEMATICAL PHYSICS	1988
96	Angular momentum at null infinity and variational principles	EDUARDO NAHMAD ACHAR	CLASSICAL AND QUANTUM GRAVITY	1987
97	Pseudotensors in asymptotically curvilinear coordinates	EDUARDO NAHMAD ACHAR Schutz B.F.	GENERAL RELATIVITY AND GRAVITATION	1987
98	Conserved quantities from pseudotensors and extremum theorems for angular momentum	EDUARDO NAHMAD ACHAR Schutz B.F.	CLASSICAL AND QUANTUM GRAVITY	1987
99	Alternative form of the hydrogenic wave functions for an extended, uniformly charged nucleus	EUGENIO LEY KOO EDUARDO NAHMAD ACHAR Castafio E. et al.	AMERICAN JOURNAL OF PHYSICS	1980

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

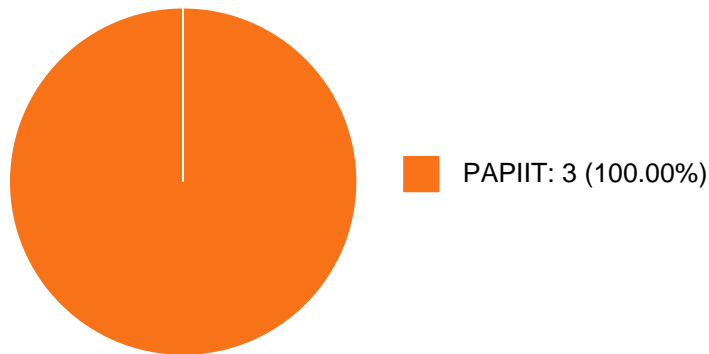


#	Título	Autores	Alcance	Año	ISBN
1	Topología Y Geometría Diferencial Con Aplicaciones A La Física	EDUARDO NAHMAD ACHAR	Libro Completo	2022	9786073056632
2	Topología y geometría diferencial con aplicaciones a la física	EDUARDO NAHMAD ACHAR	Libro Completo	2022	9786073062282
3	Parametrization in dissipative particle dynamics: applications in complex fluids	EDUARDO NAHMAD ACHAR	Capítulo de un Libro	2015	9783319114873
4	Scaling properties in the adsorption of ionic polymeric surfactants on generic nanoparticles of metallic oxides by mesoscopic simulation	EDUARDO NAHMAD ACHAR	Capítulo de un Libro	2014	9783319001906
5	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
6	Study of Structural Properties in Complex Fluids by Addition of Surfactants Using DPD Simulation	EDUARDO NAHMAD ACHAR	Capítulo de un Libro	2013	9783642277221

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

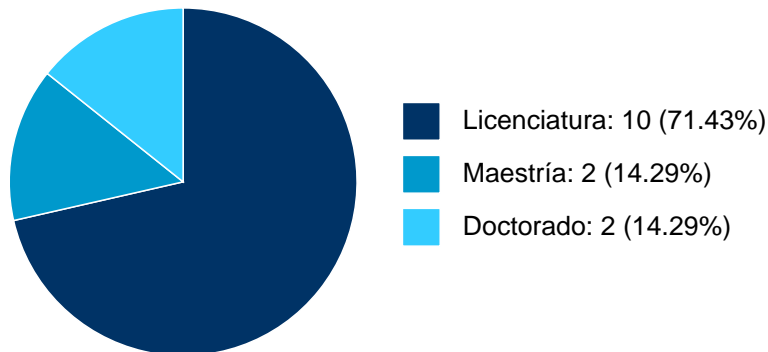


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Interacción radiación-materia en sistemas de n-niveles, evolución, y números de cooperación	EDUARDO NAHMAD ACHAR	Recursos PAPIIT	01-01-2017	31-12-2019
2	Desarrollo de métodos en la interacción de radiación con materia.	EDUARDO NAHMAD ACHAR	Recursos PAPIIT	01-01-2020	31-12-2022
3	Sistemas finitos de interacción radiación-materia	EDUARDO NAHMAD ACHAR	Recursos PAPIIT	01-01-2023	31-12-2025

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Transformaciones de Kerr-Schild en relatividad general	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Lara Ramírez, Eduardo,	Instituto de Ciencias Nucleares,	2021
2	Interacción radiación-materia : un análisis de dos niveles	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Díaz Naufal, Nicolás,	Instituto de Ciencias Nucleares,	2018
3	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
4	Quantum in formation : a factual approach to quantum mechanics	Tesis de Maestría	EDUARDO NAHMAD ACHAR,	Sánchez Kuntz, Natalia,	Instituto de Ciencias Nucleares,	2017
5	Posibilidad de variables ocultas factuales en la mecánica cuántica	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Sánchez Kuntz, Natalia,	Instituto de Ciencias Nucleares,	2015
6	Materiales utilizados en el computo cuantico por resonancia magnética nuclear	Tesis de Doctorado	EDUARDO NAHMAD ACHAR,	Jáuregui Villanueva, Virginia,	Instituto de Ciencias Nucleares,	2014

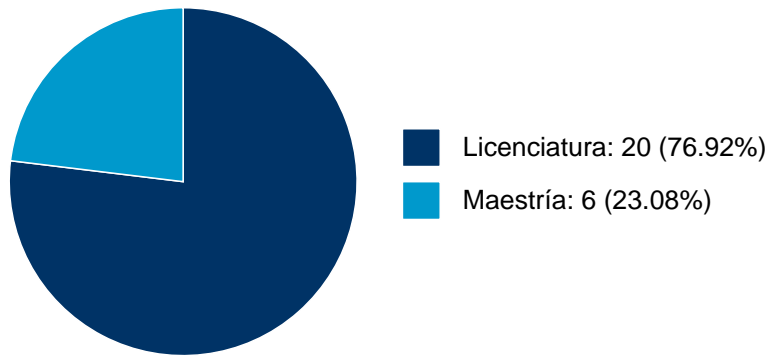
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7	Teorema de Noether para la energía en relatividad general	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Flores Soto, Victor Hugo,	Instituto de Ciencias Nucleares,	2013
8	Enredamiento cuántico bajo transformaciones de Lorentz en un sistema de partículas masivas de espín	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Castro Ruíz, Esteban,	Instituto de Ciencias Nucleares,	2012
9	Localidad y causalidad en mecánica cuántica	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Valdés Curiel, Ana,	Instituto de Ciencias Nucleares,	2012
10	Fase geométrica de una partícula con espín 1/2 en un campo magnético cuántico	Tesis de Licenciatura	JERONIMO ALONSO CORTEZ QUEZADA,	EDUARDO NAHMAD ACHAR, MANUEL TORRES LABANSAT, et al.	Facultad de Ciencias, Instituto de Ciencias Nucleares, Instituto de Física,	2012
11	Estudio de las oscilaciones de neutrinos a la luz de la teoría de campos	Tesis de Maestría	GUSTAVO ADOLFO MEDINA TANCO,	EDUARDO NAHMAD ACHAR, Agón Quintero, Cesar Alfonso,	Instituto de Ciencias Nucleares,	2011
12	Estados coherentes generalizados y estructura analítica del operador de aniquilación	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Pisanty Alatorre, Emilio,	Instituto de Ciencias Nucleares,	2011
13	Sincronización en redes complejas	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Leos Zamorategui, Arturo,	Instituto de Ciencias Nucleares,	2011
14	Detección homodina con resolución de número de fotones	Tesis de Licenciatura	EDUARDO NAHMAD ACHAR,	Noriega Romero Vargas, María Florencia,	Instituto de Ciencias Nucleares,	2010

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	TEMAS SELECTOS DE OPTICA III	Facultad de Ciencias	3	2024-1
2	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	17	2023-1
3	Licenciatura	TEMAS SELECTOS DE OPTICA II	Facultad de Ciencias	4	2022-2
4	Licenciatura	INTRODUC.A LA ACUSTICA CONTEMPORAN	Facultad de Ciencias	2	2021-2
5	Licenciatura	INTRODUC.A LA ACUSTICA CONTEMPORAN	Facultad de Ciencias	6	2020-2
6	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	41	2019-2
7	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	19	2018-2
8	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO.III	Facultad de Ciencias	22	2017-2
9	Maestría	SEMINARIO DE INVESTIGACIÓN II	Instituto de Ciencias Nucleares	1	2017-2
10	Maestría	TEMAS SELECTOS INTRODUCCION A LA INFORMACION CUANTICA	Instituto de Ciencias Nucleares	5	2017-2
11	Maestría	SEMINARIO DE INVESTIGACION I-394284	Instituto de Ciencias Nucleares	1	2017-1
12	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	31	2016-2
13	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	46	2015-2
14	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR II	Facultad de Ciencias	13	2015-1
15	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Ciencias Nucleares	3	2014-1
16	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Nucleares	1	2013-2
17	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Ciencias Nucleares	2	2013-2



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18	Licenciatura	FILOSOFIA DE LA FISICA I	Facultad de Ciencias	6	2013-1
19	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR II	Facultad de Ciencias	11	2012-2
20	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO. I	Facultad de Ciencias	7	2011-2
21	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	31	2011-1
22	Licenciatura	TEM.SELEC.DE FISICA COMPUTACIO. I	Facultad de Ciencias	6	2010-2
23	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	16	2010-1
24	Licenciatura	TEM. SELEC. FISICA MATEMAT. TEOR.II	Facultad de Ciencias	8	2009-2
25	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	15	2009-1
26	Licenciatura	TOPOLOGIA GEOMETRIA DIFEREN.FISIC.	Facultad de Ciencias	26	2008-2



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EDUARDO NAHMAD ACHAR

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	2008-2024
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