



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



MARIA ESTHER ORTIZ Y SALAZAR

Datos Generales

Nombre: MARIA ESTHER ORTIZ Y SALAZAR

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 62 años

Nombramientos

Último: PROFESOR ASIGNATURA B TP Definitivo
Facultad de Ciencias
Desde 01-01-2009 hasta 31-12-2021
INVESTIGADOR EMERITO TC Definitivo
Instituto de Física
Desde 01-01-2008 (fecha inicial de registros en el
SIIA) hasta 31-12-2021

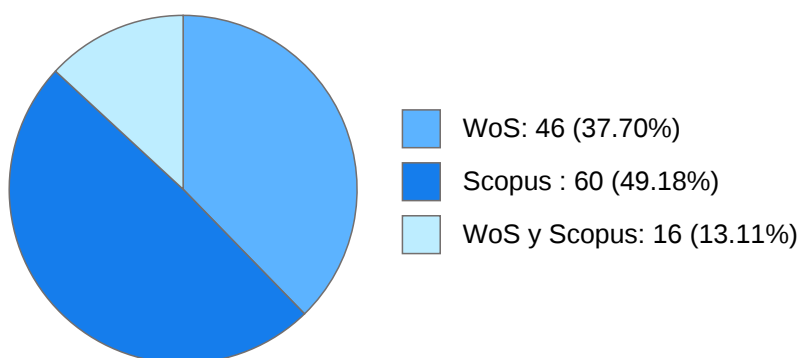
Estímulos, programas, premios y reconocimientos

SNI Emérito 2022
SNI III - 2020

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	RAdiocarbon in Mexico: From Proportional Counters to AMS	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI ARCADIO HUERTA HERNANDEZ et al.	Radiocarbon	2022
2	THE FIRST 14C LABORATORY IN MEXICO: THE BASIS OF A NEW RELATIONSHIP BETWEEN PHYSICISTS AND ARCHAEOLOGISTS	CORINA SOLIS ROSALES MARIA GUADALUPE RODRIGUEZ CEJA MIGUEL ANGEL MARTINEZ CARRILLO et al.	Radiocarbon	2022
3	14C/12C isotopic ratio of a research nuclear reactor graphite control bar	DANIEL JOSE MARIN LAMBARRI MARIA ESTHER ORTIZ Y SALAZAR MARIA GUADALUPE RODRIGUEZ CEJA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2020
4	Perspectives for low energy reactions measurements at the new LEMA beam-line	LUIS ARMANDO ACOSTA SANCHEZ EFRAIN RAFAEL CHAVEZ LOMELI LIBERTAD BARRON PALOS et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2020

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5	Radiocarbon Dating of Underwater Archaeological Objects from the Nevado de Toluca, Mexico	MIGUEL ANGEL MARTINEZ CARRILLO CORINA SOLIS ROSALES MARIA GUADALUPE RODRIGUEZ CEJA et al.	Radiocarbon	2017
6	Historic binnacle of C-14/C-12 concentration in Mexico City	JORGE ANDRES FLORES VALDES CORINA SOLIS ROSALES ARCADIO HUERTA HERNANDEZ et al.	Physics Procedia	2017
7	Reaction production plus AMS: An alternative method to study low energy reactions. Al-26 as a testcase	LUIS ARMANDO ACOSTA SANCHEZ VICTORIA ISABEL ARAUJO ESCALONA EFRAIN RAFAEL CHAVEZ LOMELI et al.	EOS ANNUAL MEETING, EOSAM 2024	2017
8	14C content in aerosols in Mexico City	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI EDUARDO ANDRADE IBARRA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2016
9	The Si-28(d,alpha) reaction	VICTORIA ISABEL ARAUJO ESCALONA LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2016
10	MONDE: MOMentum Neutron DETector	LUIS ARMANDO ACOSTA SANCHEZ ARCADIO HUERTA HERNANDEZ MARIA ESTHER ORTIZ Y SALAZAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2016
11	Progress in the characterization of the gas jet target at IFUNAM	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI OSCAR GENARO DE LUCIO MORALES et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2015
12	AMS-C14 analysis of graphite obtained with an Automated Graphitization Equipment (AGE III) from aerosol collected on quartz filters	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2015

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13	New supersonic gas jet target for low energy nuclear reaction studies	JOSE FRANCISCO FAVELA PEREZ L. Acosta EDUARDO ANDRADE IBARRA et al.	PHYSICAL REVIEW SPECIAL TOPICS-ACCELERATORS AND BEAMS	2015
14	²⁶ Al production: The Allende meteorite (Chihuahua) stellar nucleosynthesis and solar models	VICTORIA ISABEL ARAUJO ESCALONA EDUARDO ANDRADE IBARRA LIBERTAD BARRON PALOS et al.	AIP Conference Proceedings	2015
15	Tagged fast neutron beams en > 6MeV	JOSE FRANCISCO FAVELA PEREZ ARCADIO HUERTA HERNANDEZ OSCAR GENARO DE LUCIO MORALES et al.	AIP Conference Proceedings	2015
16	Nuclear physics experiments with a windowless supersonic gas jet target	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
17	Implementation of a secondary-ion tritium beam by means of the associated particle technique and its test on a gold target	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR ARCADIO HUERTA HERNANDEZ et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2014
18	A new AMS facility in Mexico	CORINA SOLIS ROSALES EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2014

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19	Supersonic gas Jet target for nuclear physics experiments	JOSE FRANCISCO FAVELA PEREZ EFRAIN RAFAEL CHAVEZ LOMELI EDUARDO ANDRADE IBARRA et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2013
20	Biotechnological and in situ food production of polyols by lactic acid bacteria	MARIA ESTHER ORTIZ Y SALAZAR Bleckwedel J. Raya R.R. et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOG Y	2013
21	Projected shell model study of yrast states of neutron-deficient odd-mass Pr nuclei	A. Ibanez Sandoval MARIA ESTHER ORTIZ Y SALAZAR VICTOR MANUEL VELAZQUEZ AGUILAR et al.	PHYSICAL REVIEW C	2011
22	Characterization of a radioactive C-11 beam by means of the associated particle technique	ARCADIO HUERTA HERNANDEZ EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR et al.	REVISTA MEXICANA DE FISICA	2010
23	Measuring the wavelength of a diode laser and the birefringence of mica: the experimental examination of the IPHO 40 held in Mexico	JOSE LUIS MORAN LOPEZ MARIA ESTHER ORTIZ Y SALAZAR LUIS FELIPE DE JESUS RODRIGUEZ JORGE et al.	EUROPEAN JOURNAL OF PHYSICS	2010
24	A measurement of correlation parameters in the decay of polarized free neutrons: The abBA experiment	LIBERTAD BARRON PALOS EFRAIN RAFAEL CHAVEZ LOMELI QUIELA MARINA CURIEL GARCIA et al.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2010
25	Characterization of a fast neutron detection system with large angular coverage and granularity for physics studies and applications	EFRAIN RAFAEL CHAVEZ LOMELI LIBERTAD BARRON PALOS MARIA ESTHER ORTIZ Y SALAZAR et al.	AIP Conference Proceedings	2009
26	Elastic scattering of neutrons on Pb-nat at forward angles	EFRAIN RAFAEL CHAVEZ LOMELI P. Rodriguez A. Huerta et al.	EUROPEAN PHYSICAL JOURNAL A	2009

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27	The application of a beam profile monitor as a beam current integrator for charged particle accelerators	EFRAIN RAFAEL CHAVEZ LOMELI LIBERTAD BARRON PALOS MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	2007
28	Absolute cross sections measurement for the $^{12}\text{C} + ^{12}\text{C}$ system at astrophysically relevant energies	LIBERTAD BARRON PALOS MARIA ESTHER ORTIZ Y SALAZAR EFRAIN RAFAEL CHAVEZ LOMELI et al.	NUCLEAR PHYSICS A	2006
29	New γ -ray measurements for $\text{C}^{12} + \text{C}^{12}$ sub-Coulomb fusion: Toward data unification	MARIA ESTHER ORTIZ Y SALAZAR Aguilera E.F. Rosales P. et al.	PHYSICAL REVIEW C	2006
30	$^{12}\text{C} + ^{12}\text{C}$ cross-section measurements at low energies	LIBERTAD BARRON PALOS EFRAIN RAFAEL CHAVEZ LOMELI ARCADIO HUERTA HERNANDEZ et al.	EUROPEAN PHYSICAL JOURNAL A	2005
31	Sub-Coulomb fusion excitation function for $^{12}\text{C} + ^{12}\text{C}$	MARIA ESTHER ORTIZ Y SALAZAR Rosales P. Aguilera E.F. et al.	REVISTA MEXICANA DE FISICA	2003
32	Decay of a resonance in ^{18}Ne by the simultaneous emission of two protons	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Gómez Del Campo J. et al.	PHYSICAL REVIEW LETTERS	2001
33	Study of resonant reactions with radioactive ion beams and observation of simultaneous $2p$ emission	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Galindo-Uribarri A. et al.	NUCLEAR PHYSICS A	2001
34	Mechanism of action of hormonal preparations used for emergency contraception: A review of the literature	MARTA MARGARITA DURAND CARBAJAL MARIA ESTHER ORTIZ Y SALAZAR MARINA VEGA GONZALEZ et al.	Contraception	2001

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35	Study of resonant reactions with radioactive ion beams	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Galindo-Uribarri A. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2000
36	Preequilibrium emission observed in the correlation between light particles and evaporation residues for the $84\text{Kr}+27\text{Al}$ system	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Gómez Del Campo J. et al.	PHYSICAL REVIEW C	1999
37	Practical method to calibrate large arrays of detectors, the example of the HILI	MARIA ESTHER ORTIZ Y SALAZAR EFRAIN RAFAEL CHAVEZ LOMELI Dacal A. et al.	REVISTA MEXICANA DE FISICA	1998
38	Proton resonance reactions using thick targets in inverse kinematics	ARCADIO HUERTA HERNANDEZ CORINA SOLIS ROSALES MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1998
39	Light particle-evaporation residue coincidences for the $79\text{Br}+27\text{Al}$ system at 11.8 MeV/nucleon	MARIA ESTHER ORTIZ Y SALAZAR Gomez Del Campo J. Shapira D. et al.	PHYSICAL REVIEW C	1996
40	Coincidences between light particles, evaporation residues and complex fragments emitted in the reaction $58\text{Ni} + 58\text{Ni}$ at 500 MeV bombarding energy	MARIA ESTHER ORTIZ Y SALAZAR Gómez Del campo J. Shapira D. et al.	REVISTA MEXICANA DE FISICA	1996
41	A first look at the $84\text{Kr}(1260 \text{ MeV}) + 27\text{Al}$ data using the heavy ion light ion detector	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Madani H. et al.	REVISTA MEXICANA DE FISICA	1996
42	O^{16} breakup in quasielastic reactions near the fermi energy	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Dacal A. et al.	PHYSICAL REVIEW C	1993

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43	Hydrogen pickup in ion nitrided steels	JORGE EDUARDO RICKARDS CAMPBELL REBECA TREJO LUNA MARIA ESTHER ORTIZ Y SALAZAR et al.	MATERIALS SCIENCE AND TECHNOLOGY	1993
44	PIXE analysis of cave sediments, prehispanic paintings and obsidian cutting tools from Baja California Sur caves	ALICIA MARIA OLIVER Y GUTIERREZ JOSE LUIS RUVALCABA SIL MARIA ESTHER ORTIZ Y SALAZAR et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	1993
45	Fusion cross sections for C12+128Te and the deduction of absolute average angular momenta	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Digregorio D.E. et al.	PHYSICAL REVIEW C	1991
46	Multiple dissociation of 16O,14 and 12C at 32.5 MeV/nucleon	MARIA ESTHER ORTIZ Y SALAZAR Pouliot J. Chan Y.D. et al.	NUCLEAR PHYSICS A	1989
47	Excitation and multiple dissociation of 16O, 14N and 12C projectiles at 32.5 MeV per nucleon	MARIA ESTHER ORTIZ Y SALAZAR Pouliot J. Chan Y. et al.	PHYSICS LETTERS B	1989
48	Neutron pickup and four-body processes in reactions of 16O+197Au at 26.5 and 32.5 MeV/nucleon	EFRAIN RAFAEL CHAVEZ LOMELI MARIA ESTHER ORTIZ Y SALAZAR Gazes S.B. et al.	PHYSICS LETTERS B	1988
49	Performance of a phoswich detector array for light particles and heavy ions	MARIA ESTHER ORTIZ Y SALAZAR Pouliot J. Chan Y. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATO RS SPECTROMETER S DETECTORS AND ASSOCIATED EQUIPMENT	1988
50	Correlations between particles and evaporation residues for the C14 reaction at E(14N)=180 MeV	MARIA ESTHER ORTIZ Y SALAZAR Gomez Del Campo J. DiGregorio D.E. et al.	PHYSICAL REVIEW C	1987
51	Pion production in high-energy nucleus-nucleus collisions	MARIA ESTHER ORTIZ Y SALAZAR Harris J.W. Odyniec G. et al.	PHYSICAL REVIEW LETTERS	1987

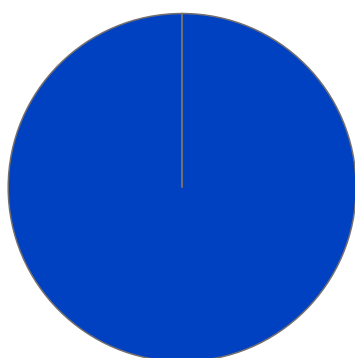
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52	Compression Effects in Relativistic Nucleus-Nucleus Collisions	MARIA ESTHER ORTIZ Y SALAZAR Stock R. Bock R. et al.	PHYSICA SCRIPTA	1983
53	Streamer chamber experiments	MARIA ESTHER ORTIZ Y SALAZAR Sandoval A. Bock R. et al.	NUCLEAR PHYSICS A	1983
54	Compression effects in relativistic nucleus-nucleus collisions	MARIA ESTHER ORTIZ Y SALAZAR Stock R. Bock R. et al.	PHYSICAL REVIEW LETTERS	1982
55	Fusion cross sections for the C12 + N15 system	MARIA ESTHER ORTIZ Y SALAZAR Novotny R. Shapira D. et al.	PHYSICAL REVIEW C	1982
56	N14 + C13 fusion cross sections and compound nucleus limitation in Al27	MARIA ESTHER ORTIZ Y SALAZAR DiGregorio D.E. Del Campo J.G. et al.	PHYSICAL REVIEW C	1982
57	Fusion, direct, and total reaction cross sections of the B10 + N14 system up to E14N=180 MeV	MARIA ESTHER ORTIZ Y SALAZAR Del Campo J.G. Chan Y.D. et al.	PHYSICAL REVIEW C	1982
58	Nonstatistical effects in the C12(N15, ±) reaction	MARIA ESTHER ORTIZ Y SALAZAR Cardenas M. Dacal A. et al.	PHYSICAL REVIEW C	1980
59	Energy dependence of multinucleon transfer reactions induced by 20Ne on 12C	MARIA ESTHER ORTIZ Y SALAZAR Dacal A. Buenerd M. et al.	PHYSICS LETTERS B	1979
60	Coherence widths in 27Al measured with the 12c(15n, α) reaction	MARIA ESTHER ORTIZ Y SALAZAR Del Campo J.G. Ford Jr. J.L.C. et al.	NUCLEAR PHYSICS A	1978
61	Yrast levels in 27Al suggested by resonance structure in the 12C(15N, α) reaction	MARIA ESTHER ORTIZ Y SALAZAR Gomez del Campo J. Ford Jr. J.L.C. et al.	PHYSICS LETTERS B	1977
62	Study of the coherence widths G in 28Si measured by the 12C(16O, α) reaction	MARIA ESTHER ORTIZ Y SALAZAR Del Campo J.G. Dacal A. et al.	NUCLEAR PHYSICS A	1976

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



Libros completos: 6 (100.00%)

#	Título	Autores	Alcance	Año	ISBN
1	Casa De Los Dioses, Nevado De Toluca	CORINA SOLIS ROSALES MIGUEL ANGEL MARTINEZ CARRILLO MARIA GUADALUPE RODRIGUEZ CEJA et al.	Libro Completo	2021	9786075395579
2	Casa De Los Dioses, Nevado De Toluca	YO SUGIURA YAMAMOTO CORINA SOLIS ROSALES MIGUEL ANGEL MARTINEZ CARRILLO et al.	Libro Completo	2021	9786075395558 6
3	Casa De Los Dioses, Nevado De Toluca	CORINA SOLIS ROSALES MIGUEL ANGEL MARTINEZ CARRILLO MARIA GUADALUPE RODRIGUEZ CEJA et al.	Libro Completo	2021	9786076333792
4	Casa De Los Dioses, Nevado De Toluca	YO SUGIURA YAMAMOTO CORINA SOLIS ROSALES MIGUEL ANGEL MARTINEZ CARRILLO et al.	Libro Completo	2021	9786076333839
5	Marcos Mazari, un puente entre la ingeniería y la física	MARIA ESTHER ORTIZ Y SALAZAR	Libro Completo	2015	9786070257254



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6	Fernando Alba Andrade. El primer físico de la UNAM	ESBAIDE ADEM CHAHIN JAVIER MIRANDA MARTIN DEL CAMPO JORGE EDUARDO RICKARDS CAMPBELL et al.	Libro Completo	2010	9683697682
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PARTICIPACIÓN EN PROYECTOS

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DOCENCIA IMPARTIDA

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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