JOSE FRANCISCO FAVELA PEREZ

Datos Generales

Nombre: JOSE FRANCISCO FAVELA PEREZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 4 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ciencias
Desde 01-09-2021 hasta 15-04-2022

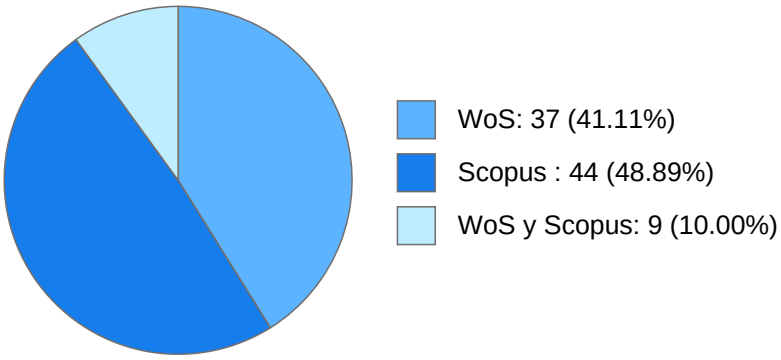
Estímulos, programas, premios y reconocimientos

SNI I 2022 - 2023
SNI C 2020 - 2021

JOSE FRANCISCO FAVELA PEREZ

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	PlomBOX: a low cost bioassay for the sensitive detection of lead in drinking water	JOSE FRANCISCO FAVELA PEREZ JAIME OCTAVIO GUERRA PULIDO Dias A. et al.	Communications Engineering	2025
2	Nuclear physics midterm plan at Legnaro National Laboratories (LNL)	LUIS ARMANDO ACOSTA SANCHEZ EFRAIN RAFAEL CHAVEZ LOMELI JOSE FRANCISCO FAVELA PEREZ et al.	EUROPEAN PHYSICAL JOURNAL PLUS	2023
3	Results on Low-Mass Weakly Interacting Massive Particles from a 11 kg d Target Exposure of DAMIC at SNOLAB	ALEXIS ARMANDO AGUILAR AREVALO BRENDA AUREA CERVANTES VERGARA JUAN CARLOS D'OLIVO SAEZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2022
4	Gamma-ray flux measurement and geotechnical studies at the selected site for the LABChico underground laboratory	ALEXIS ARMANDO AGUILAR AREVALO CARLOS CANET MIQUEL JUAN CARLOS D'OLIVO SAEZ et al.	EUROPEAN PHYSICAL JOURNAL PLUS	2022
5	Correction to: Gamma-ray flux measurement and geotechnical studies at the selected site for the LABChico underground laboratory (The European Physical Journal Plus, (2022), 137, 2, (210), 10.1140/epjp/s13360-022-02407-1)	ALEXIS ARMANDO AGUILAR AREVALO CARLOS CANET MIQUEL JUAN CARLOS D'OLIVO SAEZ et al.	EUROPEAN PHYSICAL JOURNAL PLUS	2022

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6	Characterization of the background spectrum in DAMIC at SNOLAB	ALEXIS ARMANDO AGUILAR AREVALO JUAN CARLOS D'OLIVO SAEZ JOSE FRANCISCO FAVELA PEREZ et al.	PHYSICAL REVIEW D	2022
7	Volume reduction of water samples to increase sensitivity for radioassay of lead contamination	ALEXIS ARMANDO AGUILAR AREVALO CARLOS CANET MIQUEL JUAN CARLOS D'OLIVO SAEZ et al.	Applied Water Science	2022
8	Contextual Isotope Ranking Criteria for Peak Identification in Gamma Spectroscopy Using a Large Database	ALEXIS ARMANDO AGUILAR AREVALO CARLOS CANET MIQUEL JUAN CARLOS D'OLIVO SAEZ et al.	IEEE TRANSACTIONS ON NUCLEAR SCIENCE	2022
9	Non-covalent interactions on polymer-graphene nanocomposites and their effects on the electrical conductivity	JORGE LUIS APATIGA SANCHEZ ROXANA MITZAYE DEL CASTILLO VAZQUEZ LUIS FELIPE DEL CASTILLO DAVILA et al.	POLYMERS	2021
10	Measurement of the bulk radioactive contamination of detector-grade silicon with DAMIC at SNOLAB	ALEXIS ARMANDO AGUILAR AREVALO BRENDA AUREA CERVANTES VERGARA JUAN CARLOS D'OLIVO SAEZ et al.	JOURNAL OF INSTRUMENTATION	2021
11	Investigating gamma-ray decay of excited C-12 levels with a multifold coincidence analysis	JOSE FRANCISCO FAVELA PEREZ LUIS ARMANDO ACOSTA SANCHEZ DANIEL JOSE MARIN LAMBARRI et al.	PHYSICAL REVIEW C	2021
12	Characterization of germanium detectors for the first underground laboratory in Mexico	ALEXIS ARMANDO AGUILAR AREVALO SANDRA NASHIELI ALVARADO MIJANGOS CARLOS CANET MIQUEL et al.	JOURNAL OF INSTRUMENTATION	2020
13	Isospin equilibration phenomenon and mid-rapidity IMF emission in the Ca-48 + Al-27 40 MeV/nucleon collision	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ Papa M. et al.	GIREP-EPEC 2025 CONFERENCE	2020
14	Results on Low-Mass Weakly Interacting Massive Particles from an 11 kg d Target Exposure of DAMIC at SNOLAB	ALEXIS ARMANDO AGUILAR AREVALO BRENDA AUREA CERVANTES VERGARA JUAN CARLOS D'OLIVO SAEZ et al.	PHYSICAL REVIEW LETTERS	2020
15	Nuclear neck-density determination at Fermi energy with CHIMERA detector	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ A. Pagano et al.	EUROPEAN PHYSICAL JOURNAL A	2020
16	Gamma ray detection with CHIMERA at LNS: Results and perspectives	JOSE FRANCISCO FAVELA PEREZ LUIS ARMANDO ACOSTA SANCHEZ DANIEL JOSE MARIN LAMBARRI et al.	GIREP-EPEC 2025 CONFERENCE	2020
17	Dosimetry and calorimetry performance of a scientific CMOS camera for environmental monitoring	ALEXIS ARMANDO AGUILAR AREVALO CARLOS CANET MIQUEL JUAN CARLOS D'OLIVO SAEZ et al.	SENSORS	2020

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18	On the C-12 Hoyle state gamma decay	JOSE FRANCISCO FAVELA PEREZ LUIS ARMANDO ACOSTA SANCHEZ DANIEL JOSE MARIN LAMBARRI et al.	GIREP-EPEC 2025 CONFERENCE	2020
19	The FARCOS detection system: the first application in a real experiment	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ L. Auditore et al.	IEEE Nuclear Science Symposium and Medical Imaging Conference	2019
20	GET: A generic electronics system for TPCs and nuclear physics instrumentation	JOSE FRANCISCO FAVELA PEREZ Pollacco E.C. Grinyer G.F. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2018
21	First results of the Hoyle-Gamma experiment: study of the excited levels in carbon-12 gamma decay	JOSE FRANCISCO FAVELA PEREZ LUIS ARMANDO ACOSTA SANCHEZ DANIEL JOSE MARIN LAMBARRI et al.	GIREP-EPEC 2025 CONFERENCE	2018
22	Isospin influence on the intermediate-Mass Fragments production at low energy	JOSE FRANCISCO FAVELA PEREZ Gnoffo B. Pirrone S. et al.	Nuovo Cimento C-Colloquia And Communications In Physics	2018
23	An ideal multifragmentation kinematics algorithm for nuclear physics, a binary reaction approach	JOSE FRANCISCO FAVELA PEREZ LUIS ARMANDO ACOSTA SANCHEZ Auditore L. et al.	Nuovo Cimento C-Colloquia And Communications In Physics	2018
24	On the nature of the Pygmy Dipole Resonance in 68 Ni	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ Martorana N.S. et al.	Nuovo Cimento C-Colloquia And Communications In Physics	2018

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25	Results and recent advances with the CHIMERA and FARCOS detectors	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ De Filippo E. et al.	Nuovo Cimento C-Colloquia And Communications In Physics	2018
26	Present status of the FARCOS detection system	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ L. Auditore et al.	IEEE Nuclear Science Symposium and Medical Imaging Conference	2017
27	First on-beam tests of the FARCOS frontend electronics	LUIS ARMANDO ACOSTA SANCHEZ JOSE FRANCISCO FAVELA PEREZ L. Auditore et al.	IEEE Nuclear Science Symposium and Medical Imaging Conference	2017
28	Study of the 12C excited states above the Hoyle State	LUIS ARMANDO ACOSTA SANCHEZ VICTORIA ISABEL ARAUJO ESCALONA JOSE FRANCISCO FAVELA PEREZ et al.	GIREP-EPEC 2025 CONFERENCE	2017
29	Study of the Si-28(d,alpha)Al-26 nuclear reaction at low energies	VICTORIA ISABEL ARAUJO ESCALONA LUIS ARMANDO ACOSTA SANCHEZ EDUARDO ANDRADE IBARRA et al.	Physics Procedia	2017
30	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.	XLVI SYMPOSIUM ON NUCLEAR PHYSICS 2025	2017
31	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.	GIREP-EPEC 2025 CONFERENCE	2015
32	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
33	26Al 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

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34	Tagged fast neutron beams en > 6MeV	JOSE FRANCISCO FAVELA PEREZ ARCADIO HUERTA HERNANDEZ OSCAR GENARO DE LUCIO MORALES et al.	AIP Conference Proceedings	2015
35	Do technology-related stimuli affect age estimation?	JOSE FRANCISCO FAVELA PEREZ VICTOR MANUEL GONZALEZ ZUÑIGA Juarez M.A.R.	Lecture Notes in Computer Science	2015
36	Healthcare engineering defined: A white paper	JOSE FRANCISCO FAVELA PEREZ Chyu M.-C. Austin T. et al.	JOURNAL OF HEALTHCARE ENGINEERING	2015
37	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.	GIREP-EPEC 2025 CONFERENCE	2014
38	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
39	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
40	Sensor networks, wearable computing, and healthcare applications	JOSE FRANCISCO FAVELA PEREZ Trossen D. Pavel D. et al.	IEEE PERVAS COMPUT	2007
41	Supporting informal co-located collaboration in hospital work	JOSE FRANCISCO FAVELA PEREZ Mejia D.A. Morán A.L.	Lecture Notes in Computer Science	2007
42	Supporting the planning and organization of multiple activities in the workplace	VICTOR MANUEL GONZALEZ ZUÑIGA LEOPOLDO GALICIA SARMIENTO JOSE FRANCISCO FAVELA PEREZ	Lecture Notes in Computer Science	2007
43	Mobility in hospital work: Towards a pervasive computing hospital environment	VICTOR MANUEL GONZALEZ ZUÑIGA JOSE FRANCISCO FAVELA PEREZ Morán E.B. et al.	International Journal of Electronic Healthcare	2007
44	Opportunistic interaction in P2P ubiquitous environments	JOSE FRANCISCO FAVELA PEREZ Menchaca-Mendez R. Gutierrez-Arias E.	Lecture Notes in Computer Science	2004

JOSE FRANCISCO FAVELA PEREZ

LIBROS Y CAPITULOS CON ISBN

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

JOSE FRANCISCO FAVELA PEREZ

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PARTICIPACIÓN EN PROYECTOS

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

JOSE FRANCISCO FAVELA PEREZ

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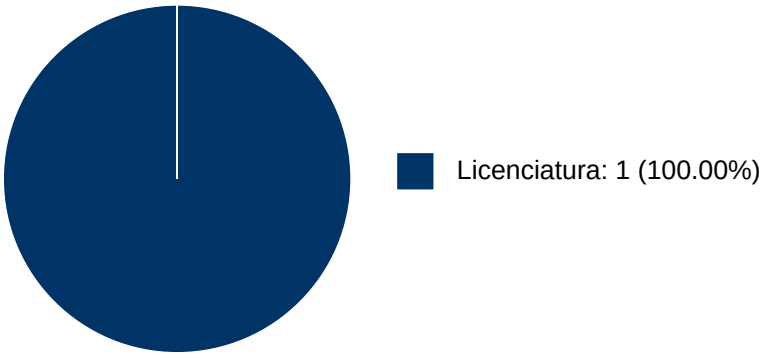
PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Desarrollo de una nueva versión del algoritmo Prada (position reconstruction from amplitude detection algorithm) para la implementación de datos reales	Tesis de Licenciatura	JOSE FRANCISCO FAVELA PEREZ,	Vega Romero, José Gustavo,	Facultad de Ciencias,	2016

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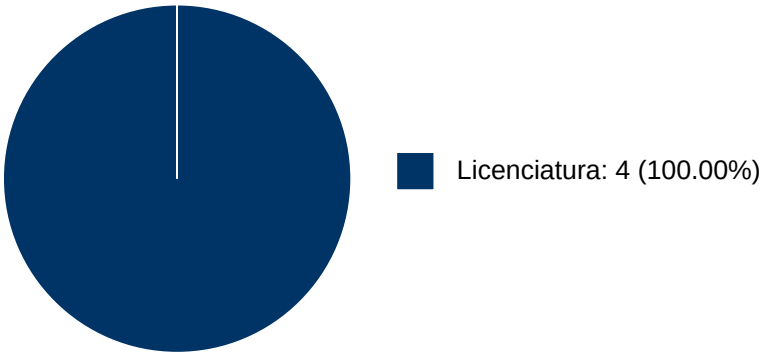
DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	FISICA COMPUTACIONAL	Facultad de Ciencias	47	2022-1
2	Licenciatura	FISICA COMPUTACIONAL	Facultad de Ciencias	3	2022-1
3	Licenciatura	FISICA COMPUTACIONAL	Facultad de Ciencias	43	2020-2
4	Licenciatura	FISICA COMPUTACIONAL	Facultad de Ciencias	3	2020-2

JOSE FRANCISCO FAVELA PEREZ

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	2008-2026
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2026
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2026
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2026
9	Documentos Indexados	Thomson Reuters	WoS	2008-2026
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2026
11	Patentes	IMPI	SIGA	2008-2026