



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



OCTAVIO FELIX MUSALEM CLEMENTE

Datos Generales

Nombre: OCTAVIO FELIX MUSALEM CLEMENTE

Máximo nivel de estudios: LICENCIATURA

Antigüedad académica en la UNAM: 47 años

Nombramientos

Último: TECNICO ACADEMICO TITULAR B TC Definitivo
Instituto de Geofísica
Desde 01-08-2013 hasta 31-12-2023

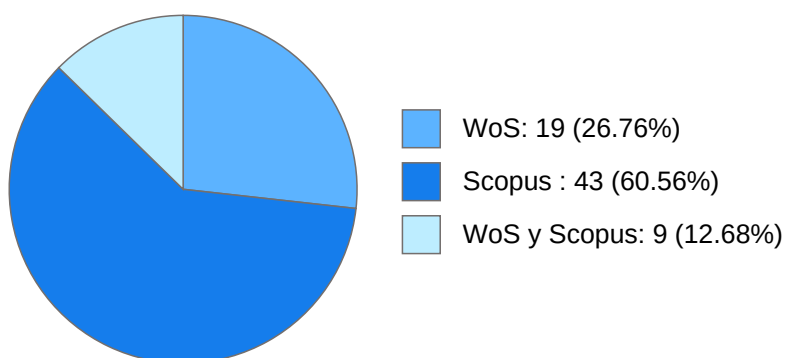
Estímulos, programas, premios y reconocimientos

PRIDE C - 2023

OCTAVIO FELIX MUSALEM CLEMENTE

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Solar neutron event recorded by a muon telescope in Mexico City on November 4, 2003	ERNESTO ORTIZ FRAGOSO ROCIO GARCIA MARTINEZ MARCOS ALFONSO ANZORENA MENDEZ et al.	ADVANCES IN SPACE RESEARCH	2024
2	Geomagnetic Storm Effects on the Solar Neutron Telescope at Sierra Negra, Mexico	BERTHA JANIA NEWTON BOSCH LUIS XAVIER GONZALEZ MENDEZ JOSE FRANCISCO VALDES GALICIA et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2024
3	Solar neutron event recorded by a muon telescope in Mexico City on november 4, 2003	ERNESTO ORTIZ FRAGOSO ROCIO GARCIA GINEZ MARCOS ALFONSO ANZORENA MENDEZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2024
4	Preliminary Simulation of the Scibar Cosmic-Ray Telescope (SciCRT) at Sierra Negra	FERNANDO MONTERDE ANDRADE LUIS XAVIER GONZALEZ MENDEZ JOSE FRANCISCO VALDES GALICIA et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2024
5	Simulation of solar neutron flux in the Earth's atmosphere for three selected flares	FERNANDO MONTERDE ANDRADE LUIS XAVIER GONZALEZ MENDEZ JOSE FRANCISCO VALDES GALICIA et al.	ASTROPARTICLE PHYSICS	2023

OCTAVIO FELIX MUSALEM CLEMENTE

6	Simulation and experimental validation of optimum read-out electronics design for scintillator bar cosmic ray telescope	MARCOS ALFONSO ANZORENA MENDEZ JOSE FRANCISCO VALDES GALICIA ERNESTO ORTIZ FRAGOSO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2021
7	Particle identification and analysis in the SciCRT using machine learning tools	MARCOS ALFONSO ANZORENA MENDEZ JOSE FRANCISCO VALDES GALICIA ERNESTO ORTIZ FRAGOSO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2021
8	Neutron and gamma-ray fluxes measured by SciCRT prototype at the top of sierra negra volcano, Mexico	ERNESTO ORTIZ FRAGOSO JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO DIAZ et al.	REVISTA MEXICANA DE FISICA	2019
9	Atmospheric corrections of the cosmic ray fluxes detected by the Solar Neutron Telescope at the Summit of the Sierra Negra Volcano in Mexico	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE MARCOS ALFONSO ANZORENA MENDEZ et al.	GEOFISICA INTERNACIONAL	2018
10	Atmospheric variability at the summit of Sierra Negra, Mexico, from 2012 July to 2015 October	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2018
11	Sensitivity of the SciBar Cosmic Ray Telescope (SciCRT) to solar neutrons	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE LUIS XAVIER GONZALEZ MENDEZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017

OCTAVIO FELIX MUSALEM CLEMENTE

12	Development of faster front end electronics for the SciCRT detector at Sierra Negra, Mexico	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
13	Estimated pulse height spectrum with pulse pile-up correction for neutron monitor of Mexico City	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE ALEJANDRO HURTADO DIAZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
14	Current status of SciCRT experiment and its expected future performance	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
15	Development of a pattern recognition algorithm for particle identification on the SciCRT in the Sierra Negra volcano summit	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
16	Current status of SciCRT experiment and its expected future performance	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
17	Development of a pattern recognition algorithm for particle identification on the SciCRT in the Sierra Negra volcano summit	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
18	Development of faster front end electronics for the SciCRT detector at Sierra Negra, Mexico	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
19	Sensitivity of the SciBar Cosmic Ray Telescope (SciCRT) to solar neutrons	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE LUIS XAVIER GONZALEZ MENDEZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017

OCTAVIO FELIX MUSALEM CLEMENTE

20	Estimated pulse height spectrum with pulse pile-up correction for neutron monitor of Mexico City	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE LUIS XAVIER GONZALEZ MENDEZ et al.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
21	A faster and more reliable data acquisition system for the full performance of the SciCRT	JOSE FRANCISCO VALDES GALICIA ERNESTO ORTIZ SURI OCTAVIO FELIX MUSALEM CLEMENTE et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2017
22	Observation of cosmic ray hadrons at the top of the Sierra Negra volcano in Mexico with the SciCRT prototype	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	ADVANCES IN SPACE RESEARCH	2016
23	RE-EVALUATION of the NEUTRON EMISSION from the SOLAR FLARE of 2005 September 7, DETECTED by the SOLAR NEUTRON TELESCOPE at SIERRA NEGRA	L. X. Gonzalez JOSE FRANCISCO VALDES GALICIA FRANCISCO AGUSTIN SANCHEZ VIESCA et al.	ASTROPHYSICAL JOURNAL	2015
24	Observation of Cosmic Ray at the top of the Sierra Negra volcano in Mexico with the SciCRT prototype	ERNESTO ORTIZ FRAGOSO JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO DIAZ et al.	REVISTA MEXICANA DE FISICA	2015
25	First cosmic-ray measurements by the SciCRT solar neutron experiment in Mexico	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	ASTROPARTICLE PHYSICS	2014
26	Performance of the SciBar cosmic ray telescope (SciCRT) toward the detection of high-energy solar neutrons in solar cycle 24	JOSE FRANCISCO VALDES GALICIA Luis Xavier Gonzalez ERNESTO ORTIZ SURI et al.	EARTH PLANETS AND SPACE	2014
27	Performance of the SciCR as a solar neutron detector	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE ERNESTO ORTIZ SURI et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011

OCTAVIO FELIX MUSALEM CLEMENTE

28	Observation of solar neutrons by using a very sensitive cosmic ray detector	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
29	Performance of the SciCR as a component muon detector of the Global Muon Detector Network (GMDN)	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	Proceedings Of The 32nd International Cosmic Ray Conference, Icrc 2011	2011
30	Status of the world-wide network of solar neutron telescopes in solar cycle 24	ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE Matsubara Y. et al.	31st International Cosmic Ray Conference, Icrc 2009	2009
31	Solar neutron events as a tool to study particle acceleration at the Sun	JOSE FRANCISCO VALDES GALICIA L. X. Gonzalez OCTAVIO FELIX MUSALEM CLEMENTE et al.	ADVANCES IN SPACE RESEARCH	2009
32	Physics of ion acceleration in the solar flare on 2005 September 7 determines gamma-ray and neutron production	JOSE FRANCISCO VALDES GALICIA L. X. Gonzalez ALEJANDRO HURTADO PIZANO et al.	ADVANCES IN SPACE RESEARCH	2009
33	Highly significant detection of solar neutrons on 2005 September 7	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Watanabe K. et al.	ADVANCES IN SPACE RESEARCH	2007
34	Emission profile of solar neutrons obtained from the ground-based observations for the 7 September 2005 event	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Sako T. et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007
35	Energy spectrum for the solar neutron event of September 7 2005, derived from the SNT at Sierra Negra	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE González L.X. et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007

OCTAVIO FELIX MUSALEM CLEMENTE

36	Ion acceleration and neutral emission mechanisms for 2005 September 7 flare	ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE Watanabe K. et al.	Proceedings Of The 30th International Cosmic Ray Conference, Icrc 2007	2007
37	Solar neutron events of 2003 October–november	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Watanabe K. et al.	ASTROPHYSICAL JOURNAL	2006
38	Long-lived solar neutron emission in comparison with electron-produced radiation in the 2005 September 7 solar flare	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Sako T. et al.	ASTROPHYSICAL JOURNAL	2006
39	Performance of an improved solar neutron telescope installed in Sierra Negra Volcano, Mexico	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE González L.X. et al.	29th International Cosmic Ray Conference, Icrc 2005	2005
40	Simultaneous observations of solar neutrons in association with a large solar flare on November 4, 2003	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Watanabe K. et al.	29th International Cosmic Ray Conference, Icrc 2005	2005
41	Solar neutron events associated with large solar flares in solar cycle 23	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Watanabe K. et al.	29th International Cosmic Ray Conference, Icrc 2005	2005
42	An improved solar neutron telescope installed at a very high altitude in Mexico	JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE Muraki Y. et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT	2004



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



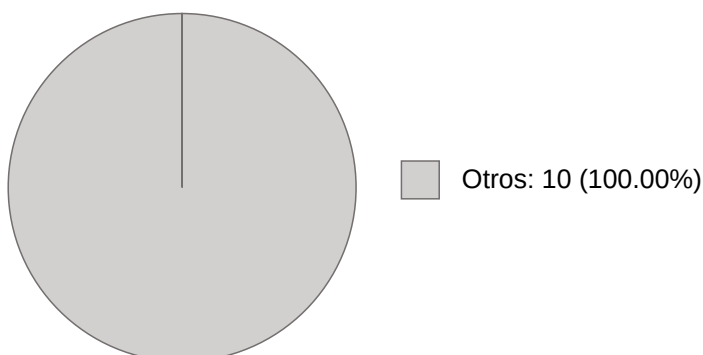
OCTAVIO FELIX MUSALEM CLEMENTE

- | | | | |
|----|--|---|----------------------------|
| 43 | Study of "neutron bursts" with Mexico City neutron monitor | JOSE FRANCISCO VALDES GALICIA
ALEJANDRO HURTADO PIZANO
OCTAVIO FELIX MUSALEM CLEMENTE
et al. | ASTROPARTICLE PHYSICS 2001 |
|----|--|---|----------------------------|

OCTAVIO FELIX MUSALEM CLEMENTE

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Scintillator Cosmic Ray Super Telescope	LUIS XAVIER GONZALEZ MENDEZ JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO et al.	Proceedin gs Paper	2013	9781583818282
2	Wavelet and fractal frequency analysis of the Mexico City neutron monitor signal	BERNARDO VARGAS CARDENAS JOSE FRANCISCO VALDES GALICIA LIZBETH PEÑALOZA VELASCO et al.	Conferenc e Paper	2013	9788589064293
3	The observation of solar neutrons by a new experiment (SciCRT) using a very sensitive cosmic-ray detector	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	9788589064293
4	Properties of a new cosmic ray detector (SciCRT) installed at Mt. Sierra Negra, Mexico	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	9788589064293

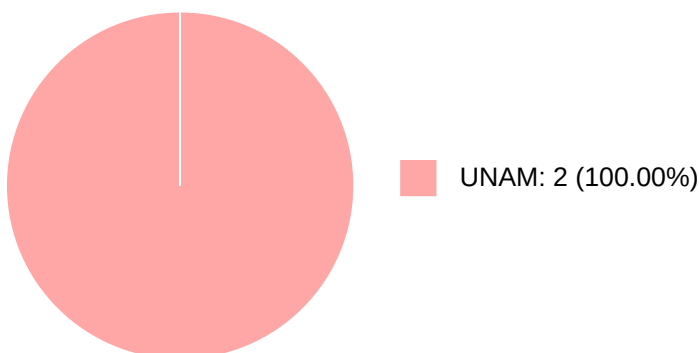
OCTAVIO FELIX MUSALEM CLEMENTE

5	Development of a custom-made daq system for neutron monitor and muon telescope at Mexico city's cosmic ray observatory	MARCOS ALFONSO ANZORENA MENDEZ JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3
6	Development of a fast data taking system for a new cosmic ray detector (SciCRT) at Mt. Sierra Negra, Mexico	JOSE FRANCISCO VALDES GALICIA ALEJANDRO HURTADO PIZANO OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3
7	Analysis of results of the SciCRT prototype installed at the top of the Sierra Negra volcano in Mexico	JOSE FRANCISCO VALDES GALICIA LUIS XAVIER GONZALEZ MENDEZ OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3
8	A reevaluation of the neutron emission from the solar flare of September 07, 2005, detected by the Solar Neutron Telescope at Sierra Negra, México	LUIS XAVIER GONZALEZ MENDEZ JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3
9	Development of digital pulse processing algorithms for muon detection and pulse-height distribution estimation	MARCOS ALFONSO ANZORENA MENDEZ JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3
10	Performance of the full-scale SciCRT as a component muon detector of the global muon detector network (GMDN)	ERNESTO ORTIZ FRAGOSO JOSE FRANCISCO VALDES GALICIA OCTAVIO FELIX MUSALEM CLEMENTE et al.	Conferenc e Paper	2013	978858906429 3

OCTAVIO FELIX MUSALEM CLEMENTE

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Mantenimiento de la estación de rayos cósmicos en CU, así como de los detectores TNS y SciCNT en Sierra Negra.	OCTAVIO FELIX MUSALEM CLEMENTE	Presupuesto de la UNAM asignado a la Dependencia	01-01-2018	31-12-2021
2	Mantenimiento correctivo del súper monitor de neutrones GNM-64 y mantenimiento al telescopio de neutrones (TNS), al telescopio de centelleo de neutrones solares (Sci CRT), al detector de campos eléctricos.	OCTAVIO FELIX MUSALEM CLEMENTE	Presupuesto de la UNAM asignado a la Dependencia	01-01-2022	31-12-2023



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



OCTAVIO FELIX MUSALEM CLEMENTE

PARTICIPACIÓN EN TESIS

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

OCTAVIO FELIX MUSALEM CLEMENTE



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



OCTAVIO FELIX MUSALEM CLEMENTE

DOCENCIA IMPARTIDA

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

OCTAVIO FELIX MUSALEM CLEMENTE



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



OCTAVIO FELIX MUSALEM CLEMENTE

PATENTES

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

OCTAVIO FELIX MUSALEM CLEMENTE

OCTAVIO FELIX MUSALEM CLEMENTE

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