



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



PAUL ARTUR JENS ERLER

Datos Generales

Nombre: PAUL ARTUR JENS ERLER

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 18 años

Nombramientos

Último: INVESTIGADOR TITULAR B TC Definitivo
Instituto de Física
Desde 16-02-2014 hasta 31-12-2020

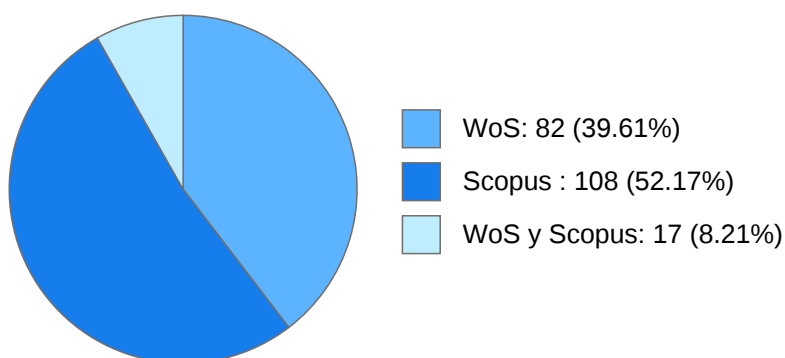
Estímulos, programas, premios y reconocimientos

SNI II 2009 - 2023
PRIDE C 2017 - 2020
PRIDE D 2012 - 2017
PRIDE C - 2012
PASPA Estancias de Investigación en el extranjero 2011
PASPA Estancias Sabáticas 2009 - 2010

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Hadronic effects in Møller scattering at NNLO	PAUL ARTUR JENS ERLER Ferro-Hernández R. Freitas A.	JOURNAL OF HIGH ENERGY PHYSICS	2022
2	Electroweak precision tests of the SM: Status and prospects	PAUL ARTUR JENS ERLER	Nuovo Cimento C-Colloquia And Communicatio ns In Physics	2021
3	Accessing weak neutral-current coupling g _{AAeq} using positron and electron beams at Jefferson Lab	PAUL ARTUR JENS ERLER Zheng X. Liu Q. et al.	EUROPEAN PHYSICAL JOURNAL A	2021
4	Microwave spectro-polarimetry of matter and radiation across space and time	PAUL ARTUR JENS ERLER Delabrouille J. Abitbol M.H. et al.	EXPERIMENTAL ASTRONOMY	2021
5	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab	PAUL ARTUR JENS ERLER Accardi A. Afanasev A. et al.	EUROPEAN PHYSICAL JOURNAL A	2021
6	Heavy quark masses (from QCD Sum Rules) and their impact on the $(g - 2)_\mu$	PAUL ARTUR JENS ERLER Masjuan P. Spiesberger H.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2021

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7	Review of particle physics	PAUL ARTUR JENS ERLER Zyla P.A. Barnett R.M. et al.	PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS	2020
8	Alternative to the application of PDG scale factors	PAUL ARTUR JENS ERLER RODOLFO FERRO HERNANDEZ	EUROPEAN PHYSICAL JOURNAL C	2020
9	Weak charge and weak radius of C-12	PAUL ARTUR JENS ERLER Oleksandr Koshchii Mikhail Gorchtein et al.	PHYSICAL REVIEW C	2020
10	Electroweak precision tests of the sm	PAUL ARTUR JENS ERLER	Frascati Physics Series	2019
11	Electroweak precision tests of the Standard Model after the discovery of the Higgs boson	PAUL ARTUR JENS ERLER Matthias Schott	PROGRESS IN PARTICLE AND NUCLEAR PHYSICS	2019
12	Reduced uncertainty of the axial gamma Z-box diagram correction to the proton's weak charge	PAUL ARTUR JENS ERLER Mikhail Gorchtein Oleksandr Koshchii et al.	PHYSICAL REVIEW D	2019
13	Global fits of the SM parameters	PAUL ARTUR JENS ERLER	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2019
14	Charm quark mass with calibrated uncertainty	PAUL ARTUR JENS ERLER Masjuan P. Spiesberger H.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2019
15	Charm quark mass with calibrated uncertainty	PAUL ARTUR JENS ERLER Masjuan P. Spiesberger H.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2018
16	The P2 experiment	PAUL ARTUR JENS ERLER Dominik Becker Razvan Bucoveanu et al.	EUROPEAN PHYSICAL JOURNAL A	2018
17	Weak mixing angle in the Thomson limit	PAUL ARTUR JENS ERLER Rodolfo Ferro-Hernandez	JOURNAL OF HIGH ENERGY PHYSICS	2018
18	REVIEW OF PARTICLE PHYSICS Particle Data Group	PAUL ARTUR JENS ERLER M. Tanabashi Particle Data Grp et al.	PHYSICAL REVIEW D	2018

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19	Charm quark mass with calibrated uncertainty	PAUL ARTUR JENS ERLER Masjuan P. Spiesberger H.	36TH INTERNATIONAL COSMIC RAY CONFERENCE, ICRC2019	2017
20	Charm quark mass with calibrated uncertainty	PAUL ARTUR JENS ERLER Masjuan, P. Spiesberger, H.	EUROPEAN PHYSICAL JOURNAL C	2017
21	REVIEW OF PARTICLE PHYSICS Particle Data Group	PAUL ARTUR JENS ERLER Patrignani, C. Agashe, K. et al.	CHINESE PHYSICS C	2016
22	Charm quark mass determined from a pair of sum rules	PAUL ARTUR JENS ERLER Masjuan, Pere Spiesberger, Hubert	MODERN PHYSICS LETTERS A	2016
23	Status of precision extractions of α_s and heavy quark masses	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2016
24	Measurement of parity-violating asymmetry in electron-deuteron inelastic scattering	PAUL ARTUR JENS ERLER Ahmed, Z. Allada, K. et al.	PHYSICAL REVIEW C	2015
25	On the combination procedure of correlated errors	PAUL ARTUR JENS ERLER	EUROPEAN PHYSICAL JOURNAL C	2015
26	Alternative Z' bosons in E 6	PAUL ARTUR JENS ERLER Rojas, Eduardo	JOURNAL OF HIGH ENERGY PHYSICS	2015
27	Weak polarized electron scattering	PAUL ARTUR JENS ERLER Horowitz, Charles J. Mantry, Sonny et al.	ANNU REV NUCL PART S	2014
28	Measurement of parity violation in electron-quark scattering	PAUL ARTUR JENS ERLER Ahmed, Z. Allada, K. et al.	Nature	2014
29	Review of particle physics	PAUL ARTUR JENS ERLER J. Erler Achrajda, C. T. et al.	CHINESE PHYSICS C	2014
30	Tests of the electroweak standard model	PAUL ARTUR JENS ERLER	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2014
31	Electroweak tests of the standard model	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2013
32	Charged current universality and the MSSM	PAUL ARTUR JENS ERLER Bauman, Sky Ramsey-Musolf, Michael J.	PHYSICAL REVIEW D	2013
33	The weak neutral current	PAUL ARTUR JENS ERLER Su, Shufang	PROGRESS IN PARTICLE AND NUCLEAR PHYSICS	2013

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34	Masses of a fourth generation with two Higgs doublets	PAUL ARTUR JENS ERLER Bellantoni, Leo Heckman, Jonathan J. et al.	PHYSICAL REVIEW D	2012
35	Review of particle physics	PAUL ARTUR JENS ERLER Amsler, C. Amsler, C. et al.	PHYSICAL REVIEW D	2012
36	Standard Model extensions for PV electron scattering, g-2, EDM: Overview	PAUL ARTUR JENS ERLER	Nuovo Cimento C-Colloquia And Communications In Physics	2012
37	Fission properties for r-process nuclei	PAUL ARTUR JENS ERLER Langanke K. Loens H.P. et al.	PHYSICAL REVIEW C	2012
38	Self-consistent nuclear mean-field models: Example Skyrme-Hartree-Fock	PAUL ARTUR JENS ERLER Klüpfel P. Reinhard P.-G.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2011
39	Radiative corrections and Z'	PAUL ARTUR JENS ERLER	HYPERFINE INTERACTIONS	2011
40	Z' bosons at colliders: A Bayesian viewpoint	PAUL ARTUR JENS ERLER Shoaib Munir JORGE EDUARDO ROJAS JIMENEZ et al.	JOURNAL OF HIGH ENERGY PHYSICS	2011
41	Review of particle physics	PAUL ARTUR JENS ERLER Amsler, C. Antonelli, M. et al.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2010
42	Mass of the higgs boson in the standard electroweak model	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	2010
43	Precision constraints on extra fermion generations	PAUL ARTUR JENS ERLER Langacker, Paul	PHYSICAL REVIEW LETTERS	2010
44	Misfits in skyrme-hartree-fock	PAUL ARTUR JENS ERLER Klüpfel P. Reinhard P.-G.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2010
45	Properties of odd nuclei and the impact of time-odd mean fields: A systematic Skyrme-Hartree-Fock analysis	PAUL ARTUR JENS ERLER Pototzky K.J. Reinhard P.-G. et al.	EUROPEAN PHYSICAL JOURNAL A	2010
46	Exploration of a modified density dependence in the skyrme functional	PAUL ARTUR JENS ERLER Klüpfel P. Reinhard P.-G.	PHYSICAL REVIEW C	2010
47	Self-consistent mean-field description of nuclear structure and dynamics-a status report	PAUL ARTUR JENS ERLER Kleinig W. Klüpfel P. et al.	PHYSICS OF PARTICLES AND NUCLEI	2010

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48	Constraints on the mass and mixing of Z' bosons	PAUL ARTUR JENS ERLER Langacker P. Munir S. et al.	AIP Conference Proceedings	2009
49	Spin beyond standard model: Theory	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2009
50	Seesaw neutrino mass and new $U(1)$ gauge symmetry	PAUL ARTUR JENS ERLER Adhikari, Rathin Ma, Ernest	PHYSICS LETTERS B	2009
51	Improved constraints on Z' bosons from electroweak precision data	PAUL ARTUR JENS ERLER Shoaib Munir JORGE EDUARDO ROJAS JIMENEZ et al.	JOURNAL OF HIGH ENERGY PHYSICS	2009
52	Electroweak precision data and new gauge bosons	PAUL ARTUR JENS ERLER	Dis 2009 - Proceedings Of The 17th International Workshop On Deep-Inelastic Scattering And Related Topics	2009
53	Fission of super-heavy nuclei explored with skyrme forces	PAUL ARTUR JENS ERLER Schindzielorz N. Klüpfel P. et al.	INTERNATIONAL JOURNAL OF MODERN PHYSICS E	2009
54	Systematics of collective correlation energies from self-consistent mean-field calculations	PAUL ARTUR JENS ERLER Klüpfel P. Reinhard P.-G. et al.	EUROPEAN PHYSICAL JOURNAL A	2008
55	A stabilized pairing functional	PAUL ARTUR JENS ERLER Klüpfel P. Reinhard P.-G.	EUROPEAN PHYSICAL JOURNAL A	2008
56	Electroweak physics	PAUL ARTUR JENS ERLER Langacker, Paul	ACTA PHYSICA POLONICA B	2008
57	Review of Particle Physics	PAUL ARTUR JENS ERLER Amsler, C. Antonelli, M. et al.	PHYSICS LETTERS B	2008
58	Upper bound on the hadronic light-by-light contribution to the muon $g - 2$	PAUL ARTUR JENS ERLER GENARO TOLEDO SANCHEZ	AIP Conference Proceedings	2007
59	SM precision constraints at the LHC/ILC	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2007
60	Low energy tests of the standard model with spin degrees of freedom	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2007

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61	Photo-oxidation and stabilization of sPP and iPP/boehmite-dispersal nanocomposites	PAUL ARTUR JENS ERLER Chmela P. Fiedlerová A. et al.	JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY	2007
62	Supersymmetry parameter analysis: SPA convention and project	PAUL ARTUR JENS ERLER Aguilar-Saavedra J.A. Ali A. et al.	EUROPEAN PHYSICAL JOURNAL C	2006
63	Precision electroweak physics	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2006
64	Fit to electroweak precision data	PAUL ARTUR JENS ERLER	AIP Conference Proceedings	2006
65	Upper bound on the hadronic light-by-light contribution to the muon g-2	PAUL ARTUR JENS ERLER GENARO TOLEDO SANCHEZ	PHYSICAL REVIEW LETTERS	2006
66	Review of particle physics	PAUL ARTUR JENS ERLER Yao W.-M. Amsler C. et al.	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2006
67	Low energy tests of the weak interaction	PAUL ARTUR JENS ERLER Ramsey-Musolf M.J.	PROGRESS IN PARTICLE AND NUCLEAR PHYSICS	2005
68	Neutrino physics	PAUL ARTUR JENS ERLER EDUARDO PEINADO RODRIGUEZ Langacker P.	4TH EUROPEAN SYMPOSIUM ON FIRE SAFETY SCIENCE	2005
69	The Qweak tracking system: Measurement of the average Q2 and the dilution by background events	PAUL ARTUR JENS ERLER Grimm K.H. Armstrong D. et al.	EUROPEAN PHYSICAL JOURNAL A	2005
70	Qweak: A precision measurement of the proton's weak charge	PAUL ARTUR JENS ERLER Smith G.R. Armstrong D. et al.	EUROPEAN PHYSICAL JOURNAL A	2005
71	Weak mixing angle at low energies	PAUL ARTUR JENS ERLER Ramsey-Musolf M.J.	PHYSICAL REVIEW D	2005
72	Review of particle physics	PAUL ARTUR JENS ERLER Eidelman S. Hayes K.G. et al.	PHYSICS LETTERS B	2004

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73	Fundamental parameters from precision tests	PAUL ARTUR JENS ERLER	JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS	2003
74	Precision determination of heavy quark masses and the strong coupling constant	PAUL ARTUR JENS ERLER Luo M.	PHYSICS LETTERS B	2003
75	Weak charge of the proton and new physics	PAUL ARTUR JENS ERLER Kurylov A. Ramsey-Musolf M.J.	PHYSICAL REVIEW D	2003
76	Review of Particle Physics: Particle data group	PAUL ARTUR JENS ERLER Hagiwara K. Hikasa K. et al.	PHYSICAL REVIEW D	2002
77	Z-Z' mass hierarchy in a supersymmetric model with a secluded U(1)'-breaking sector	PAUL ARTUR JENS ERLER Langacker P. Li T.	PHYSICAL REVIEW D	2002
78	[Formula Presented] mass hierarchy in a supersymmetric model with a secluded [Formula Presented]-breaking sector	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	2002
79	Review of Particle Properties	PAUL ARTUR JENS ERLER Hagiwara K. Hikasa K. et al.	PHYSICAL REVIEW D	2002
80	Hadronic loop corrections to the muon anomalous magnetic moment	PAUL ARTUR JENS ERLER Luo M.	PHYSICAL REVIEW LETTERS	2001
81	Probability density of the mass of the standard model Higgs boson	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	2001
82	Hadronic loop corrections to the muon anomalous magnetic moment	PAUL ARTUR JENS ERLER Luo M.	PHYSICAL REVIEW LETTERS	2001
83	On type II superstrings in less than four dimensions	PAUL ARTUR JENS ERLER Shiu G.	PHYSICS LETTERS B	2001
84	Indications for an extra neutral gauge boson in electroweak precision data	PAUL ARTUR JENS ERLER Langacker P.	PHYSICAL REVIEW LETTERS	2000
85	Chiral models of weak scale supersymmetry	PAUL ARTUR JENS ERLER	NUCLEAR PHYSICS B	2000
86	Review of particle physics	PAUL ARTUR JENS ERLER Groom D.E. Aguilar-Benitez M. et al.	EUROPEAN PHYSICAL JOURNAL C	2000
87	Physics impact of GigaZ	PAUL ARTUR JENS ERLER Heinemeyer S. Hollik W. et al.	PHYSICS LETTERS B	2000
88	Calculation of the QED coupling $\alpha^{\wedge}(M_Z)$ in the modified minimal-subtraction scheme	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	1999
89	Constraints on extended neutral gauge structures	PAUL ARTUR JENS ERLER Langacker P.	PHYSICS LETTERS B	1999

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90	Calculation of the QED coupling [formula presented]([formula presented]) in the modified minimal-subtraction scheme	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	1999
91	X2 analysis of supersymmetric models	PAUL ARTUR JENS ERLER Pierce D.M.	NUCL PHYS B-PROC SUP	1998
92	Bounds on supersymmetry from electroweak precision analysis	PAUL ARTUR JENS ERLER Pierce D.M.	NUCLEAR PHYSICS B	1998
93	Electroweak model and constraints on new physics	PAUL ARTUR JENS ERLER Langacker P.	EUROPEAN PHYSICAL JOURNAL C	1998
94	Wide Scalar Neutrino Resonance and $b\bar{b}$ Production at the CERN Collider LEP	PAUL ARTUR JENS ERLER Feng J.L. Polonsky N.	PHYSICAL REVIEW LETTERS	1997
95	14. Constraints on new physics from electroweak analyses	PAUL ARTUR JENS ERLER Langacker P.	PHYSICAL REVIEW D	1996
96	10. Standard model of electroweak interactions	PAUL ARTUR JENS ERLER Langacker P.	REV MOD PHYS	1996
97	10. Standard model of electroweak interactions	PAUL ARTUR JENS ERLER Langacker P.	PHYSICAL REVIEW D	1996
98	Asymmetric orbifolds and higher level models	PAUL ARTUR JENS ERLER	NUCLEAR PHYSICS B	1996
99	Four-Fermi operators in e^+e^- annihilation experiments and uncertainties in Z boson properties	PAUL ARTUR JENS ERLER	PHYSICAL REVIEW D	1995
100	Implications of high precision experiments and the CDF top quark candidates	PAUL ARTUR JENS ERLER Langacker P.	PHYSICAL REVIEW D	1995
101	The SLD asymmetry in view of the LEP results	PAUL ARTUR JENS ERLER	NUCL PHYS B-PROC SUP	1994
102	Anomaly cancellation in six dimensions	PAUL ARTUR JENS ERLER	JOURNAL OF MATHEMATICAL PHYSICS	1994
103	Comment on the generation number in orbifold compactifications	PAUL ARTUR JENS ERLER Klemm A.	COMMUNICATIONS IN MATHEMATICAL PHYSICS	1993
104	Higher twisted sector couplings of ZN orbifolds	PAUL ARTUR JENS ERLER Jungnickel D. Spalinski M. et al.	NUCLEAR PHYSICS B	1993
105	Dependence of Yukawa couplings on the axionic background moduli of ZN orbifolds	PAUL ARTUR JENS ERLER Jungnickel D. Lauer J.	PHYSICAL REVIEW D	1992
106	String emission from twisted sectors: Cocycle operators and modular background symmetries	PAUL ARTUR JENS ERLER Jungnickel D. Lauer J. et al.	ANNALS OF PHYSICS	1992



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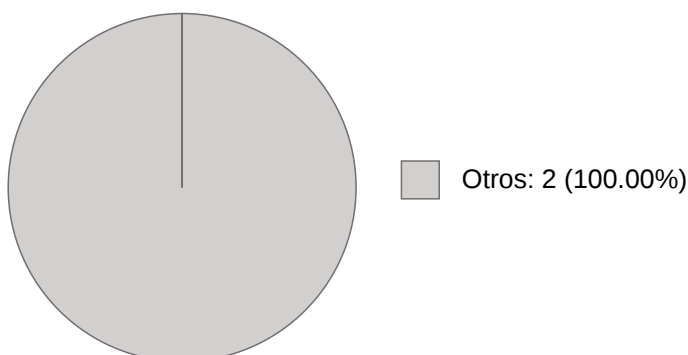
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107	Space duality and quantized Wilson lines	PAUL ARTUR JENS ERLER Jungnickel D. Peter Nilles H.	PHYSICS LETTERS B	1992
108	Fermionic mass matrices with large neutrino mixing in a GUT scenario	PAUL ARTUR JENS ERLER Achiman Y. Kalau W.	NUCLEAR PHYSICS B	1990

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

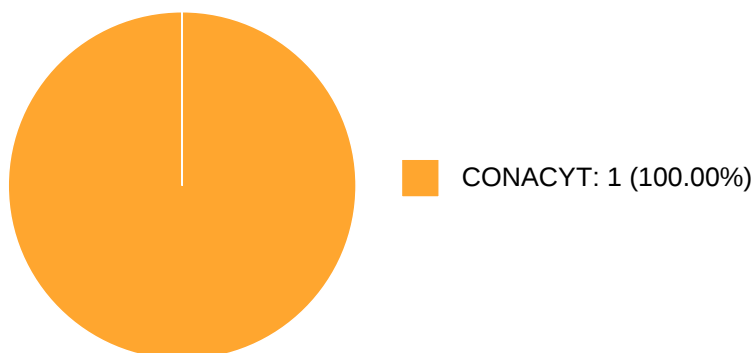


#	Título	Autores	Alcance	Año	ISBN
1	Theoretical implications of precision measurements	PAUL ARTUR JENS ERLER	Conferenc e Paper	2017	9789811204609
2	Precision electroweak measurements at run 2 and beyond	PAUL ARTUR JENS ERLER Auge E. Dumarchez J. et al.	Conferenc e Paper	2017	9791096879021

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	La frontera de la Intensidad después del descubrimiento del bosón de Higgs.	PAUL ARTUR JENS ERLER	Recursos CONACYT	18-07-2016	15-02-2020



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PARTICIPACIÓN EN TESIS

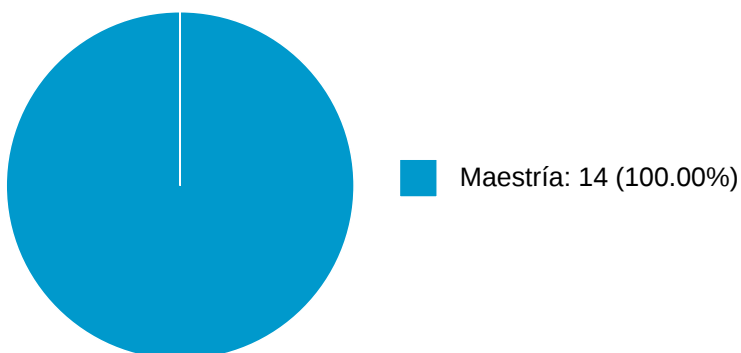
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	SEMINARIO DE INVESTIGACIÓN I	Instituto de Física	1	2017-2
2	Maestría	EL MODELO ESTANDAR ELECTRODÉBIL	Instituto de Física	4	2017-2
3	Maestría	FISICA DE PARTICULAS ELEMENTALES-394329	Instituto de Física	5	2017-1
4	Maestría	TEMAS SELECTOS	Instituto de Física	2	2016-1
5	Maestría	COSMOLOGIA	Instituto de Física	1	2015-1
6	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2014-1
7	Maestría	RELATIVIDAD GENERAL	Instituto de Física	5	2013-2
8	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2013-2
9	Maestría	SEMINARIO DE INVESTIGACION II	Instituto de Física	1	2013-2
10	Maestría	SEMINARIO DE INVESTIGACION I	Instituto de Física	1	2013-1
11	Maestría	SUPERSIMETRIA	Instituto de Física	1	2012-2
12	Maestría	TEMAS SELECTOS	Instituto de Física	1	2011-1
13	Maestría	TEMA SELECTO	Instituto de Física	2	2008-2
14	Maestría	TEORIA CUANTICA DE CAMPOS II	Instituto de Física	1	2008-1



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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