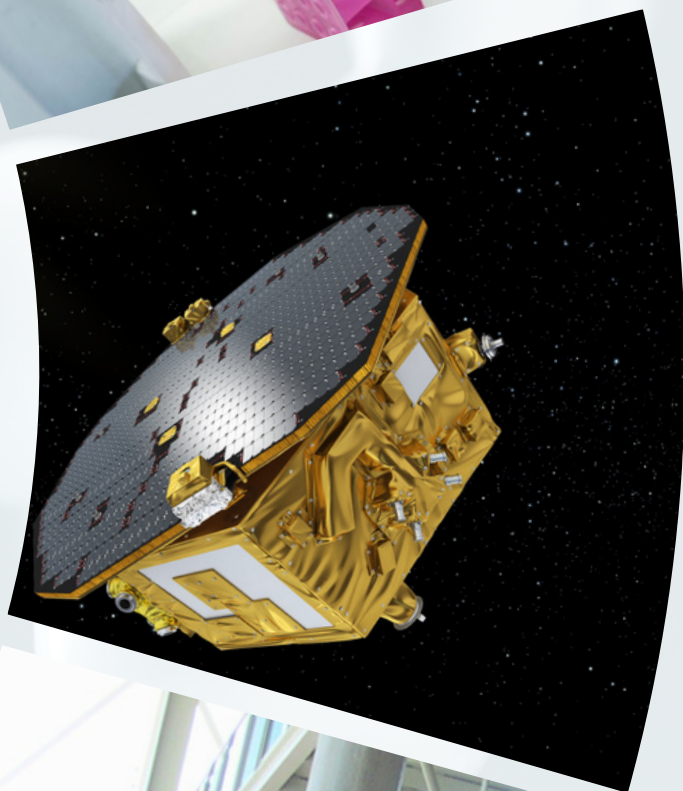




MEMORIA DE INVESTIGACIÓN 2024

FÍSICA TEÓRICA





**MEMORIA DE INVESTIGACIÓN
ELABORADA POR LA
BIBLIOTECA DE CIENCIAS
“FERNANDO GONZÁLEZ BERNÁLDEZ”**



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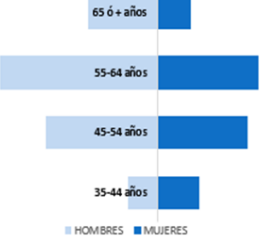
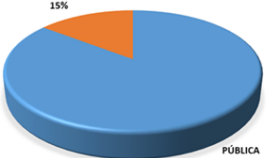
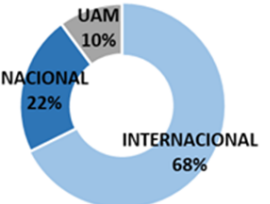
MEMORIA DE INVESTIGACIÓN DEL DEPARTAMENTO DE FÍSICA TEÓRICA 2024

El presente documento tiene como finalidad compilar la actividad investigadora, desarrollada durante el año 2024 por el personal docente e investigador de este Departamento.

Esta memoria recoge de manera sistemática las publicaciones científicas, las tesis doctorales dirigidas y tutorizadas por el PDI del Departamento, los proyectos de investigación en los que participa, ayudas individuales, patentes, sexenios, empresas basadas en el conocimiento activas, premios y los grupos de investigación reconocidos por la UAM en los que el Departamento tiene representación.

La elaboración de este documento se ha basado en los perfiles individuales del PDI disponibles en el Portal de Producción Científica de la UAM. La Biblioteca actualiza y completa dichos perfiles individuales una vez verificada esta información.

Expresamos nuestro más sincero agradecimiento por sus valiosas aportaciones, que han permitido consolidar esta memoria, a los integrantes del departamento, coordinadores de los grupos de investigación y al Decanato de la Facultad.

INVESTIGADORES	491 PDI PERMANENTE	Edad y Género del PDI 	127 CATEDRÁTICOS 253 TITULARES 111 CONTR. DOCT. Y LABORALES PERMANENTES
	619 PDI NO PERMANENTE	227 PDI Doctor no permanente 334 Personal Investigador en Formación 12 Profesores honorarios 46 Profesores Eméritos	
	97 NUEVOS SEXENIOS DE INVESTIGACIÓN CONCEDIDOS EN 2024		
	FINANCIACIÓN 	529 PROYECTOS VIGENTES	ENTIDADES FINANCIADORAS 
	27 PATENTES	8 EMPRESAS BASADAS EN EL CONOCIMIENTO ACTIVAS	
TESIS DOCTORALES	228 TESIS DOCTORALES	FACULTAD DE CIENCIAS 2024	
PUBLICACIONES	COLABORACIÓN EN LA AUTORIA DE ARTÍCULOS 	1.556 PUBLICACIONES	 64% ARTÍCULOS Q1 (JCR)
		1.400 ARTÍCULOS	

INVESTIGADORES	25 PDI PERMANENTE	Edad y género del PDI 65 ó + años 55-64 años 45-54 años 35-44 años HOMBRES MUJERES	7 CATEDRÁTICOS 9 TITULARES 9 CONTR. DOCTORES Y LABORAL PER.
	87 PDI NO PERMANENTE	30 PDI Doctor no permanente 45 Personal Investigador en Formación 10 Profesores Eméritos 2 Profesores Honorarios	
	9 NUEVOS SEXENIOS DE INVESTIGACIÓN CONCEDIDOS EN 2024		
PROYECTOS	29 PROYECTOS I+D+I VIGENTES		
TESIS DOCTORALES	24 TESIS DOCTORALES	DEPARTAMENTO DE FÍSICA TEÓRICA 2024	
PUBLICACIONES	COLABORACIÓN EN LA AUTORIA DE ARTÍCULOS NACIONAL 2% UAM 3% INTERNACIONAL 95%	437 PUBLICACIONES 403 ARTÍCULOS	80% ARTÍCULOS Q1 (JCR)



METODOLOGÍA



DESTACADOS: TABLAS Y GRÁFICOS



**PUBLICACIONES: ARTÍCULOS
OTRAS PUBLICACIONES**



TESIS DOCTORALES



PROYECTOS DE INVESTIGACIÓN Y CONTRATOS CON EMPRESAS



AYUDAS INDIVIDUALES



GRUPOS DE INVESTIGACIÓN



PATENTES



EMPRESAS BASADAS EN EL CONOCIMIENTO (EBC) ACTIVAS



SEXENIOS



PREMIOS



PDI DE LA FACULTAD Y ENLACE AL PPEC



MEMORIA EN FICHAS

1. TABLAS

1.1. Tabla de Publicaciones

AÑO	Total publicaciones	Nº Artículos	Q1	% Q1	Publicaciones/PDI permanente
Departamento de Física Teórica					
2024	437	403	324	80,40%	17,48
2023	303	290	228	79,00%	13,17
2022	221	194	171	88,14%	9,21
2021	398	373	272	72,92%	15,92
2020	382	359	275	76,60%	11,94
FACULTAD DE CIENCIAS					
2024	1.556	1.400	900	64,29%	3,17
2023	1.428	1.232	810	65,75%	2,96
2022	1.322	1.135	669	58,94%	2,70
2021	1.722	1.554	1.033	66,47%	3,51
2020	1.680	1.524	926	60,76%	3,40

1.2. Tabla de Proyectos de Investigación y Contratos con empresas

DEPARTAMENTO	VIGENTES	TIPO DE FINANCIACION		ENTIDADES FINANCIADORAS				
		PÚBLICA	PRIVADA	MINISTERIO	UE	CAM	UAM	OTRAS
FT	29	26	3	18	7	1	0	0
FACULTAD	529	450	79	356	58	15	5	15

1.3. Tabla de Tesis Doctorales

DEPARTAMENTO	2024				
	TESIS DEFENDIDAS			DOCTORANDOS	
	Total	Dirigidas	Tutorizadas	HOMBRES	MUJERES
FT	24	13	11	19	5
FACULTAD	228	89	139	120	108

2. METODOLOGÍA Y FUENTES

La Biblioteca de Ciencias elabora la Memoria de Investigación de la Facultad de Ciencias y sus departamentos a partir de la recopilación y análisis de datos provenientes de diversas fuentes, que se relacionan en el apartado Fuentes. El [Portal de Producción Científica](#) (PPC), en el que está incluido todo el personal docente e investigador permanente y la mayoría del PDI no permanente, es nuestro principal proveedor de datos.

Una vez recopilada la información, llevamos a cabo un proceso de verificación y depuración de los datos, con la que generamos una primera versión de la memoria. Esta versión se envió a los directores de los 17 departamentos para su revisión en mayo de 2025. Los departamentos nos envían modificaciones, correcciones o nuevas incorporaciones que son revisadas y validadas, añadiéndose a la versión final, junto con las nuevas publicaciones detectadas por la Biblioteca. Todas las modificaciones recogidas en esta versión final se incorporan al PPC, de modo que se mejora la calidad y actualización de los perfiles individuales del PDI de la Facultad.

Finalizada la revisión, analizamos los datos relativos a indicios de calidad de los artículos, incorporándolos al presente documento.

La biblioteca deposita de forma sistemática en el repositorio institucional [Biblos-e Archivo](#) los artículos de nuestro PDI firmados como UAM, atendiendo a los derechos de propiedad intelectual vigentes. El dato de acceso abierto en repositorio institucional corresponde a 27-07-2025, aunque la biblioteca continuará trabajando en su incorporación.

Al comienzo, se presentan fichas resumen tanto de la Facultad como del departamento, que recogen los principales logros y cifras más relevantes de esta memoria.

FUENTES UTILIZADAS

- Para las publicaciones
 - Portal de Producción Científica de la UAM [IMarina].
 - Revisión facilitada por los departamentos.
 - Bases de datos: WoS, Scopus, Pubmed y Dialnet.
 - Publicaciones de investigadores no incluidos en el PPC, a solicitud de algunos departamentos.
 - Repositorio institucional de la UAM [Biblos-e Archivo](#), para acompañar al artículo del enlace permanente (handle), que nos sirve para confirmar que el artículo final o la versión aceptada está en acceso abierto.
- Para los indicios de calidad.
 - Se utilizan los indicadores de factor de impacto de las publicaciones JCR (WoS) del año 2024, la versión cerrada a septiembre de 2025.
- Para los investigadores
 - Portal de Producción Científica de la UAM, con datos procedentes de la base de datos HOMINIS.
 - La identificación del PDI permanente se ha hecho atendiendo a las categorías seleccionadas por el Decanato de la Facultad de Ciencias: Catedrático, Profesor Titular, Profesor Contratado Doctor y Personal Laboral Permanente.
 - Para PDI no permanente, Doctor y en Formación, se ha utilizado la información procedente del Portal de Producción Científica. Organizado de la siguiente manera:
 - PDI Doctor no permanente:
 - Profesor Contratado Doctor Interino.
 - Profesor Ayudante Doctor.
 - Ramón y Cajal.

- Otros Contratos Postdoctorales: Atracción de Talento modalidades CAM 1 y 2, postdoc CAM, Juan de la Cierva (incorporación/formación), beca César Nombela.
 - Personal Investigador en Formación (PIF):
 - Contratados predoctorales (Ley de la Ciencia artículo 21): FPI, FPU, FPI-UAM.
 - Otros contratados predoctorales: predoctorales CAM, Ayudantes de Investigación.
 - Para los Profesores eméritos se ha utilizado la información procedente del Vicerrectorado de Personal Docente e Investigador.
 - Incorporación, a solicitud de los departamentos, de PIF no incluidos en el PPC.
 - En caso de investigadores con múltiples categorías laborales durante el año, se ha considerado aquella en la que hayan permanecido más tiempo.
- Para los Proyectos de investigación y contratos con empresas:
 - Portal de Producción Científica de la UAM, que recoge la información facilitada por el Servicio de Investigación.
 - Boletines oficiales: BOE, BOCAM.
 - Información complementaria revisada por los departamentos.
 - Los contratos con empresas son facilitados por los departamentos.
- Para las Tesis Doctorales:
 - Escuela de Doctorado.
 - Repositorio institucional.
 - Revisión facilitada por los departamentos, para tesis no leídas en la UAM.
- Para los Grupos de Investigación:
 - Página Web de la UAM.
 - Revisión facilitada por los coordinadores de los grupos de investigación.
- Para las Patentes, Empresas Basadas en el Conocimiento y Sexenios:
 - Portal de Producción Científica de la UAM.
 - Servicio de gestión integral de la investigación, Área de Investigación y Transferencia.
 - Revisión facilitada por los departamentos.

3.PUBLICACIONES

El Departamento ha presentado 437 publicaciones, de las que 403 son artículos científicos. De éstos, un total de 324 se han publicado en revistas del primer cuartil, que corresponde al 56% de los artículos publicados. El 80% de las publicaciones de la Facultad de Ciencias han sido firmadas por PDI del Departamento. De estas publicaciones están depositadas en el Repositorio Institucional el 66%.

Dónde publica el Departamento

Las revistas en que se han publicado un mayor número de artículos son:

TÍTULO DE REVISTAS	Nº ART.	CUARTILES
JOURNAL OF HIGH ENERGY PHYSICS	71	Q1
PHYSICAL REVIEW D	59	Q2
ASTRONOMY AND ASTROPHYSICS	41	Q1
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	39	Q1
EUROPEAN PHYSICAL JOURNAL C	32	Q2
PHYSICAL REVIEW LETTERS	31	Q1

Relación de Publicaciones de la Facultad, ordenadas alfabéticamente por autor

Leyenda de cuartiles de JCR 2023 [Q1] [Q2] [Q3] [Q4]

Artículos

1. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; ...; ATLAS Collaboration (2024). Search for R-parity violating supersymmetric decays of the top squark to a b-jet and a lepton in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Physical Review D. 110 (9): 092004. DOI: 10.1103/PhysRevD.110.092004 [Q1]

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2. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, MA.; Terrón, J.; ...; The Atlas collaboration. (2024). Search for neutral long-lived particles that decay into displaced jets in the ATLAS calorimeter in association with leptons or jets using pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics. 2024 (11): 036. DOI: 10.1007/JHEP11(2024)036 [Q1]

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3. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; ATLAS Collaboration (2024). Searches for exclusive Higgs boson decays into $D^*\gamma$ and Z boson decays into $D0\gamma$ and $Ks0\gamma$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters B. 855: 138762. DOI: 10.1016/j.physletb.2024.138762 [Q1]

<http://hdl.handle.net/10486/717017>

4. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; ATLAS Collaboration (2024). Search for the $Z\gamma$ decay mode of new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters B. 848: 138394. DOI: 10.1016/j.physletb.2023.138394 [Q1]

<http://hdl.handle.net/10486/716718>

5. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS collaboration. (2024). Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. 2024 (11): 97. DOI: 10.1007/JHEP11(2024)097 [Q1]
<http://hdl.handle.net/10486/718988>

6. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; Atlas Collaboration. (2024). Measurement of differential cross-sections in $t\bar{t}$ and $t\bar{t}$ +jets production in the lepton+jets final state in pp collisions at $\sqrt{s} = 13$ TeV using 140 fb⁻¹ of ATLAS data. *Journal of High Energy Physics*. 2024 (8): 182. DOI: 10.1007/JHEP08(2024)182 [Q1]
<http://hdl.handle.net/10486/718841>

7. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; ATLAS Collaboration. (2024). Measurement of the total and differential cross-sections of $t\bar{t}W$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Journal of High Energy Physics*. 2024 (5): 131. DOI: 10.1007/JHEP05(2024)131 [Q1]
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8. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Cueto, A.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; The Atlas collaboration. (2024). A search for R-parity-violating supersymmetry in final states containing many jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Journal of High Energy Physics*. 2024 (5): 3. DOI: 10.1007/JHEP05(2024)003 [Q1]
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9. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Del Peso, J.; Glasman, C.; Príncipe Martín, M.A.; Terrón, J.; ...; ATLAS Collaboration (2024). Search for top-philic heavy resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *European Physical Journal C*. 84 (2): 157. DOI: 10.1140/epjc/s10052-023-12318-9 [Q2]
<http://hdl.handle.net/10486/716339>

10. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ... ; ATLAS Collaboration (2024). Measurement of single top-quark production in association with a W boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Physical Review D*. 110 (7): 072010. DOI: 10.1103/PhysRevD.110.072010 [Q1]
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11. Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ... ; ATLAS Collaboration (2024). Jet radius dependence of dijet momentum balance and suppression in Pb plus Pb collisions at 5.02 TeV with the ATLAS detector. *Physical Review C*. 110 (5): 054912. DOI: 10.1103/PhysRevC.110.054912 [Q2]
<http://hdl.handle.net/10486/717945>

- 12.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Sensor response and radiation damage effects for 3D pixels in the ATLAS IBL detector. *Journal of Instrumentation*. 19 (10): P10008. DOI: 10.1088/1748-0221/19/10/P10008 [Q4]
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- 13.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Accuracy versus precision in boosted top tagging with the ATLAS detector. *Journal of Instrumentation*. 19 (8): P08018. DOI: 10.1088/1748-0221/19/08/P08018 [Q4]
<http://hdl.handle.net/10486/717613>
- 14.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum. *Journal of Instrumentation*. 19 (6): P06014. DOI: 10.1088/1748-0221/19/06/P06014 [Q4]
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- 16.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $s=13$ TeV with the ATLAS detector. *Journal of High Energy Physics*. 2024 (8): 153. DOI: 10.1007/JHEP08(2024)153 [Q1]
- 17.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Combination of Searches for Higgs Boson Pair Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Physical Review Letters*. 133 (10): 101801. DOI: 10.1103/PhysRevLett.133.101801 [Q1]
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- 18.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Constraints on simplified dark matter models involving an s-channel mediator with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. *European Physical Journal C*. 84 (10): 1102. DOI: 10.1140/epjc/s10052-024-13215-5 [Q2]
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- 19.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Search for a light CP-odd Higgs boson decaying into a pair of τ -leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Journal Of High Energy Physics*. 2024 (12): 126. DOI: 10.1007/JHEP12(2024)126 [Q1]
- 20.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Search for supersymmetry using vector boson fusion signatures and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Journal Of High Energy Physics*. 2024 (12): 116. DOI: 10.1007/JHEP12(2024)116 [Q1]
- 21.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Measurement of vector boson production cross sections and their ratios using pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector. *Physics Letters B*. 854: 138725. DOI: 10.1016/j.physletb.2024.138725 [Q1]
<http://hdl.handle.net/10486/717012>
- 22.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Measurements of electroweak $W\pm Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Journal of High Energy Physics*. 2024 (6): 192. DOI: 10.1007/JHEP06(2024)192 [Q1]
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- 23.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Measurements of inclusive and differential cross-sections of $t(t)$ over-bary production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *Journal of High Energy Physics*. 2024 (10): 191. DOI: 10.1007/JHEP10(2024)191 [Q1]
- 24.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS Collaboration (2024). Measurements of the production cross-section for a Z boson in association with b- or c-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. *European Physical Journal C*. 84 (9): 984. DOI: 10.1140/epjc/s10052-024-13159-w [Q2]
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- 26.** Aad, G.; ...; Álvarez Estévez, M.; Barreiro, F.; Batlamous, S.; Cueto, A.; Del Peso, J.; Glasman, C.; Pascual Domínguez, L.; Príncipe Martín, M.A.; Terrón, J.; ...; The ATLAS

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Correcciones

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Letters

34. Hayrapetyan, A.; ...; Fernández de Trocóniz, J.; ...; CMS Collaboration (2024). Measurement of the polarizations of prompt and non-prompt J/ψ and $\psi(2S)$ mesons produced in pp collisions at $\sqrt{s}=13\text{TeV}$. Physics Letters B. 858: 139044. DOI: 10.1016/j.physletb.2024.139044

4.TESIS DOCTORALES

En 2024, se han defendido 24 tesis doctorales en el departamento

Plan	Tesis defendidas
Programa de Doctorado en Astrofísica	8
Programa de Doctorado en Física Teórica	16
Total	24

Relación de Tesis doctorales - Ordenación alfabética por título

1. Algorithmic techniques for noisy intermediate scale quantum computers

Autoría: Hunter Gordon, Max Edward

Fecha de lectura: 11/01/2024

Dirigida por: Sierra Rodero, Germán; López Manzanares, Esperanza

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/713430>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

2. An X-ray study of starburst and nuclear activity connection and triggering by galaxy merger activity

Autoría: Tomas Calderon, Laura

Fecha de lectura: 15/02/2024

Dirigida por: Santos Lleo, María de; Matzeu, Gabriele

Tutorizada por: Díaz Beltrán, Ángeles Isabel

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/713639>

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

3. Analysis of theoretically modelled galaxy clusters

Autoría: Contreras de Santos, Ana

Fecha de lectura: 18/06/2024

Dirigida por: Knebe, Alexander

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/715156>

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

4. Artificial intelligence applications in the three hundred simulation project

Autoría: Andrés Hernández, Daniel de

Fecha de lectura: 27/06/2024

Dirigida por: Yepes Alonso, Gustavo

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/715158>

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

5. Bordisms & probes of quantum gravity

Autoría: Delgado , Matilda

Fecha de lectura: 17/09/2024

Dirigida por: Uranga Urteaga, Ángel María; Montero Muñoz, Miguel

Desarrollada en: Instituto de Física Teórica

<http://hdl.handle.net/10486/716093>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

6. Exploring halo occupation distribution models to characterise Euclid $H\alpha$ galaxies

Autoría: Reyes Peraza, Guillermo

Fecha de lectura: 30/09/2024

Dirigida por: Ávila Pérez, Santiago Javier; González Pérez, Violeta

Tutorizada por: García-Bellido Capdevila, Juan

Desarrollada en: Instituto de Física Teórica

<http://hdl.handle.net/10486/716172>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

7. Exploring String Theory Solutions: Black hole thermodynamics with α' corrections and type II compactifications

Autoría: Zatti, Matteo

Fecha de lectura: 16/09/2024

Dirigida por: Ortín Miguel, Tomás; Marchesano Buznegro, Fernando

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/716192>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

8. Extensión de las relaciones de escala de formación estelar hasta $10^8 M_{\odot}$ a $1 < z < 3$ con HST, GTC y ALMA

Autoría: Mérida González, Rosa María

Fecha de lectura: 21/06/2024

Dirigida por: Sánchez Blázquez, Patricia; Pérez González, Pablo G.

Tutorizada por: Díaz Beltrán, Ángeles Isabel

Desarrollada en: Departamento de Física Teórica

no tiene

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

9. Gas and Galaxies: Tracers for Stage IV cosmological surveys

Autoría: Vos Ginés, Bernhard

Fecha de lectura: 04/11/2024

Dirigida por: Ávila Pérez, Santiago Javier; González Pérez, Violeta

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/718226>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

10. Hadronic physics and Scale Setting from Lattice QCD with Wilson-type Fermions

Autoría: Sáez Gonzalvo, Alejandro

Fecha de lectura: 16/09/2024

Dirigida por: Herdoiza Bolaños, Gregorio

Desarrollada en: Instituto de Física Teórica

<http://hdl.handle.net/10486/716116>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

11. Herbig Ae/Be systems: stars, disks, and star-disk interactions

Autoría: Guzmán Díaz, Jorge

Fecha de lectura: 19/01/2024

Dirigida por: Mendigutía Gómez, Ignacio; Montesinos Comino, Benjamín

Tutorizada por: Meeus, Gwendolyn

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/713476>

Programa de Doctorado en Astrofísica

12. Illuminating the dark side of the Higgs: Yukawa couplings, exotic decays and baryogenesis

Autoría: Cano Molina, José Manuel

Fecha de lectura: 09/02/2024

Dirigida por: No Redondo, José Miguel

Desarrollada en: Instituto de Física Teórica

<http://hdl.handle.net/10486/713582>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

13. Improving cosmological simulations: semi-analytic models, the internal structure of haloes, and machine learning techniques

Autoría: López Cano, Daniel

Fecha de lectura: 06/09/2024

Dirigida por: Angulo, Raúl

Tutorizada por: Knebe, Alexander

Desarrollada en: Institución Donostia International Physics Center

<http://hdl.handle.net/10486/716203>

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

14. Journey through the ALPs

Autoría: Machado Rodriguez, Jonathan-Gilbert

Fecha de lectura: 04/10/2024

Dirigida por: Fernández Trocóniz Acha, Jorge; Gavela Legazpi, María Belén

Desarrollada en: Instituto de Física Teórica

<http://hdl.handle.net/10486/717888>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

15. Machine learning applied to astronomical archives data

Autoría: García Martín, Pablo

Fecha de lectura: 28/06/2024

Dirigida por: Merín Martín, Bruno

Tutorizada por: Ascasibar Sequeiros, Yago

Desarrollada en: European Space Agency

<http://hdl.handle.net/10486/715162>

Programa de Doctorado en Astrofísica

Departamento de Física Teórica

16. Measurement of differential cross sections in tt and tt +jets production in the lepton+jets decay mode in pp collisions at $\sqrt{s} = 13$ TeV using 140 fb⁻¹ of ATLAS data including the extraction of α_s and in situ calibration of jets

Autoría: Príncipe Martín, Miguel Ángel

Fecha de lectura: 20/09/2024

Dirigida por: Terron Cuadrado, Juan; Glasman Kuguel, Claudia Beatriz

Desarrollada en: Departamento de Física Teórica

<http://hdl.handle.net/10486/716291>

Programa de Doctorado en Física Teórica

Departamento de Física Teórica

17. Measurement of the W cq/W qq' qq_0 decay branching fraction ratio with the CMS detector at the LHC and Uncertainty estimation of machine learning models in particle physics

Autoría: Vázquez Escobar, Julia

Fecha de lectura: 04/12/2024

Dirigida por: Cárdenas Montes, Miguel; Hernández Calama, José María
Tutorizada por: Fernández Trocóniz Acha, Jorge
Desarrollada en: Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas
<http://hdl.handle.net/10486/718536>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

18. Precision event shapes with massive quarks

Autoría: Bris Cuerpo, Alejandro **Fecha de lectura:** 01/07/2024
Dirigida por: Mateu Barreda, Vicent
Tutorizada por: Sabio Vera, Agustín
Desarrollada en: Departamento de Física Teórica
<http://hdl.handle.net/10486/715280>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

19. Probing the universe with Gravitational Waves

Autoría: Nuño Siles, José Francisco **Fecha de lectura:** 12/09/2024
Dirigida por: García-Bellido Capdevila, Juan
Desarrollada en: Departamento de Física Teórica
<http://hdl.handle.net/10486/716290>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

20. Spontaneous symmetry breaking and restoration mechanisms under a quantum information perspective

Autoría: Faba García, Javier **Fecha de lectura:** 15/01/2024
Dirigida por: Robledo Martín, Luis Miguel; Martín Ayuso, Vicente
Desarrollada en: Departamento de Física Teórica
<http://hdl.handle.net/10486/713514>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

21. Stochastic gravitational wave backgrounds from primordial black holes

Autoría: Jaraba Gómez, Santiago **Fecha de lectura:** 12/09/2024
Dirigida por: García-Bellido Capdevila, Juan; Kuroyanagi, Sachiko
Desarrollada en: Instituto de Física Teórica
<http://hdl.handle.net/10486/716145>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

22. Supernovas y remanentes de supernova extragalácticos en muestreos de espectroscopía de campo integral

Autoría: Castrillo Varona, Asier **Fecha de lectura:** 20/09/2024
Dirigida por: Ascasibar Sequeiros, Yago; Díaz Beltrán, Ángeles Isabel
Desarrollada en: Departamento de Física Teórica
<http://hdl.handle.net/10486/716110>
Programa de Doctorado en Astrofísica
Departamento de Física Teórica

23. The phenomenological landscape of leptophilic ALPs

Autoría: de Giorgi, Arturo **Fecha de lectura:** 23/09/2024

Dirigida por: Merlo, Luca
Desarrollada en: Instituto de Física Teórica
<http://hdl.handle.net/10486/716097>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

24. The quantum gravity scale and the swampland

Autoría: Castellano Mora, Alberto
Dirigida por: Ibáñez Santiago, Luis Enrique
Desarrollada en: Instituto de Física Teórica
<http://hdl.handle.net/10486/716075>
Programa de Doctorado en Física Teórica
Departamento de Física Teórica

Fecha de lectura: 17/09/2024

5.PROYECTOS DE INVESTIGACIÓN Y CONTRATOS CON EMPRESAS

El Departamento para 2024 ha tenido vigentes 29 proyectos de investigación.

Relación de Proyectos de Investigación vigentes en 2024

1. Abriendo ventanas a nueva Física

Referencia: PID2022-137127NB-I00 Vigencia: 2023/2026
Investigadores: Velasco Aja, Eduardo; Rosende Herrero, Samuel; Enguita Vileta, Víctor; Domenech Moya, José Daniel; González López, Manuel; Álvarez Vázquez, Enrique; Merlo, Luca (IP); Fernández Martínez, L Enrique (IP); Tastet, Jean-Loup; Arco García, Francisco Manuel; Bonilla García, Jesús; Naredo Tuero, Daniel; Machado Rodríguez, Jonathan-Gilbert, Herrero Solans, María José, Ibáñez Santiago, Luis E.; Gavela Legazpi, María Belén
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Agencia Estatal de Investigación (AEI)

2. Agujeros negros primordiales como materia oscura

Referencia: CNS2022-135613 Vigencia: 2023/2025
Investigadores: Ballesteros Martínez, Guillermo (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Agencia Estatal de Investigación (AEI)

3. Comunicación Cuántica en la Comunidad de Madrid (MADQuantum-CM)

Referencia: Vigencia: 2022/2025
Investigadores: Robledo Martín, Luis Miguel (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Comunidad de Madrid

4. Convenio entre la CM y la UAM para la concesión de una subvención directa para la realización del Proyecto Tecnologías Avanzadas para la exploración del universo y sus componente

Referencia: Vigencia: 2022/2025
Investigadores: Peso Malagón, José Del (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Comunidad de Madrid

5. Desentrañando los secretos de la formación y evolución de estructuras en el universo virtual: galaxias, cúmulos y la red cósmica

Referencia: PID2021-122603NB-C21

Vigencia: 2022/2025

Investigadores: Cui, Weiguang; Knebe, Alexander (IP); Yepes Alonso, Gustavo (IP); Ceverino, Daniel; Domínguez Tenreiro, Rosa; González Pérez, Violeta

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

6. DM+nu: Probing the invisible side of the Universe

Referencia: SI2/PBG/ 2020-00005

Vigencia: 2020/2024

Investigadores: García Cerdeño, David (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Ministerio de Educación, Formación Profesional y Deportes (MEFP)

7. El Bosón de Higgs y el Universo primitivo

Referencia: CNS2023-144536

Vigencia: 2024/2026

Investigadores: No Redondo, José Miguel (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

8. Essential Asymmetries of Nature - ASYMMETRY

Referencia: GA 101086085

Vigencia: 2022/2026

Investigadores: Gavela Legazpi, María Belén (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Comisión Europea

9. Estudio de la Formación y Evolución de Galaxias y de sus Sistemas mediante Simulaciones Numéricas - UAM/204

Referencia: UAM2023-UAM/204

Vigencia: 2023/2026

Investigadores: Domínguez Tenreiro, Rosa María (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: FUAM

10. Estudio de las colisiones protón-protón de los runes 2 y 3 con el detector atlas en el LHC

Referencia: PID2021-122738OB-I00

Vigencia: 2022/2025

Investigadores: Álvarez Estévez, Manuel; Batlamous, Souad; Barreiro Alonso, Fernando; Collado Soto, Pablo; Cueto Gómez, Ana Rosario; Glasman Kuguel, Claudia Beatriz, Pascual Domínguez, Luis; Príncipe Martín, Miguel Angel; Terrón Cuadrado, Juan (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

11. Física con super-kamiokande y construcción de hyper-kamiokande en la UAM

Referencia: PID2021-124050NB-C31

Vigencia: 2022/2025

Investigadores: Ospina Escobar, Nataly (IP); Labarga Echeverria, Luis Alfonso (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

12. Física de partículas no perturbativa a la vanguardia de los métodos computacionales

Referencia: PID2021-127526NB-I00

Vigencia: 2022/2025

Investigadores: Herdoiza Bolaños, Gregorio (IP); Pena Ruano, Carlos Roberto (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

13. Física fundamental y cosmología con cartografiados extragalácticos

Referencia: PID2021-123012NB-C43

Vigencia: 2022/2025

Investigadores: Espinosa Portales, Llorenç; Nesseris, Savvas (IP); García-Bellido Capdevila, Juan (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

14. Física más allá del modelo estándar y cosmología del universo primitivo: nuevas ideas y técnicas

Referencia: PID2021-124704NB-I00

Vigencia: 2022/2026

Investigadores: Arganda Carreras, Ernesto; Fasiello, Matteo; Ballesteros Martínez, Guillermo (IP); No Redondo, José Miguel (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

15. From Super-Kamiokande to Hyper-Kamiokande - SK2HK

Referencia: H2020-MSCA-RISE-2019-872546

Vigencia: 2019/2026

Investigadores: Labarga, Luis (IP)

Entidades participantes: Akademia Gornicz-Hutnicza Im. Stanislaw Staszica Krakowie, Centre National De La Recherche Scientifique CNRS, Institute for Cosmic Ray Research - ICRR- the University of Tokyo, Narodowe Centrum Badan Jadrowych, Politechnika Warszawska, TRIUMF, Universidad Autónoma De Madrid, Uniwersytet Jagiellonski, Uniwersytet Warszawski

Financiador: Comisión Europea

16. Hunting Invisibles: Dark sectors, Dark matter and Neutrinos

Referencia: GA 860881

Vigencia: 2020/2024

Investigadores: Gavela Legazpi, María Belén (IP)

Entidades participantes: Universidad Autónoma de Madrid; Ediciones El Pais SL; University of Durham; Georg-August-Universität Göttingen Stiftung Öffentlichen Rechts; Universität de València; Universität Zurich; Alma Mater Studiorum - Università di Bologna; Centre National de la Recherche Scientifique CNRS; Istituto Nazionale di Fisica Nucleare; Fostering New Skills By Means of Excellent Initial Training of Researchers; Innovative Training Networks; Ruprecht-Karls-Universität Heidelberg; Karlsruher Institut für Technologie; University of Southampton; Universität de Barcelona

Financiador: European Research Council (ERC). H2020

17. Investigación en Gravitación y Cosmología

Referencia: UAM2024-UAM212

Vigencia: 2024/2026

Investigadores: García-Bellido Capdevila, Juan (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: FUAM

18. Laboratorio de astropartículas para la búsqueda de partículas elusivas

Referencia: CNS2022-135702

Vigencia: 2023/2025

Investigadores: García Cerdeño, David (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

19. Latin American Chinese European Galaxy Formation Network - LACEGAL

Referencia: GA 101086388

Vigencia: 2023/2027

Investigadores: Domínguez Tenreiro, Rosa María (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Comisión Europea

20. MultiDark

Referencia: RED2022-134411-T

Vigencia: 2022/2025

Investigadores: Sánchez Conde, Miguel Ángel (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

21. Nuevos desarrollos en métodos de muchos cuerpos nucleares

Referencia: PID2021-127890NB-I00

Vigencia: 2022/2025

Investigadores: De la Fuente Escribano, Miguel; Rodríguez Frutos, Tomas Raúl (IP); Robledo Martin, Luis Miguel (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

22. Participación de la UAM en el experimento CMS del LHC

Referencia: PID2020-116262RB-C43

Vigencia: 2021/2024

Investigadores: Fernández Troconiz Acha, Jorge (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

23. Partículas, astropartículas y materia oscura en el universo = Particles, astroparticles and dark matter in the universe

Referencia: PID2021-125331NB-I00

Vigencia: 2022/2025

Investigadores: Sánchez Conde, Miguel Ángel (IP); García Cerdeño, David (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI)

24. Phenomenological implications of neutrino effective theories - PhenUmenal

Referencia: GA 101066105

Vigencia: 2022/2024

Investigadores: Marcano Imaz, Xabier (IP); Fernández Martínez, L Enrique (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Comisión Europea

25. Proyecto Ciénaga

Referencia: UAM/157

Vigencia: 2021/2024

Investigadores: Ibáñez Santiago, Luis Enrique (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: FUAM

26. The Quantum Gravity Imprint: New Guiding Principles at Low Energies - QGuide

Referencia: GA 101042568

Vigencia: 2022/2027

Investigadores: Valenzuela Agüí, Irene (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Comisión Europea

27. The strong interaction at the frontier of knowledge: fundamental research and applications

Referencia: GA 824093

Vigencia: 2019/2024

Investigadores: Herdoiza Bolaños, Gregorio (IP)
Entidades participantes: Universitaet Regensburg; Universitaet Muenster; Akademia Gorniczo-Hutnicza IM. Stanislaw Staszica W Krakowie; Faculty of Science University of Zagreb; Johannes Gutenberg-Universität Mainz; Forschungszentrum Jülich GmbH; Technische Universität München; Commissariat à l'Énergie Atomique et aux Énergies Alternatives; The University of Birmingham; Jyväskylän Yliopisto; Universitat de València; The Henryk Niewodniczanski Institute of Nuclear Physics, Polish Academy of Sciences; Ruprecht-Karls-Universität Heidelberg; Stichting Nederlandse Wetenschappelijk Onderzoek Instituten; Uppsala Universitet; Javna Ustanova Univerzitet CRNE Gore Podgorica; Laboratorio de Instrumentação e Física Experimental de Partículas LIP; The University of Edinburgh; Universidad de Santiago de Compostela; Universidad de Salamanca; University of Hamburg; Uniwersytet Jagielloński; Facility for Antiproton and Ion Research in Europe GmbH; Ruder Boskovic Institute; Universidad Complutense de Madrid; Istituto Nazionale di Fisica Nucleare; University of York; Integrating and Opening Existing National and Regional Research Infrastructures of European Interest; Rheinische Friedrich-Wilhelms-Universität Bonn; Universidade de Aveiro; Integrating Activities for Advanced Communities; Consiglio Nazionale delle Ricerche; Ruhr-Universität Bochum; Universidad Autónoma de Madrid; Organisation Européenne pour la Recherche Nucléaire; Fondazione Bruno Kessler; Politecnico di Milano; Rijksuniversiteit Groningen; Universidad Autónoma de Madrid; University of Glasgow; Narodowe Centrum Badań Jądrowych; Österreichische Akademie der Wissenschaften; Deutsches Krebsforschungszentrum Heidelberg; Centre National de la Recherche Scientifique CNRS; Université Catholique de Louvain; Universidad del País Vasco/ Euskal Herriko Unibertsitatea; GSI Helmholtzzentrum für Schwerionenforschung GmbH
Financiador: H2020

28. TIER-2 federado español (centro UAM) de atlas para afrontar el reto del almacenamiento, gestión, procesado y análisis del big data del LHC (ES-ATLAS-T2)

Referencia: PID2022-136323OB-C22

Vigencia: 2023/2026

Investigadores: Gallardo Pinto, Francisco José; Glasman Kuguel, Claudia Beatriz; Peso Malagon, José Del (IP)
Entidades participantes: Universidad Autónoma de Madrid
Financiador: Agencia Estatal de Investigación (AEI)

29. Torres Asintóticas en Gravedad Cuántica

Referencia: ATR2023-145703

Vigencia: 2024/2028

Investigadores: Valenzuela, Irene (IP)

Entidades participantes: Universidad Autónoma de Madrid

Financiador: Agencia Estatal de Investigación (AEI), programa ATRA E

6.AYUDAS INDIVIDUALES

Tipo de Ayuda	Número
Captación de talentos Comunidad de Madrid	2
Formación Juan de la Cierva	1
FPI	12
Juan de la Cierva	3
Junior Leader La Caixa	1
Ramón y Cajal	5
Total general	24

7.GRUPOS DE INVESTIGACIÓN RECONOCIDOS POR LA UAM

Relación de Grupos de Investigación reconocidos por la UAM con participación de investigadores del departamento. Ordenados alfabéticamente por nombre del grupo
No participa

8.PATENTES

No tiene

9.EMPRESAS BASADAS EN EL CONOCIMIENTO

No tiene

10.SEXENIOS

DEPARTAMENTOS	SEXENIOS 2024	Sexenios abiertos (2019-2024)
FISICA TEORICA	9	21
FACULTAD	97	428

11.PREMIOS

Talento Joven Femenino de la Real Academia de Ciencias

Premiado: Irene Valenzuela

Concedido por: Real Academia de Ciencias

Departamento: Departamento de Física Teórica

12.PDI DEL DEPARTAMENTO Y ENLACE A SU PERFIL PÚBLICO EN EL PORTAL DE PRODUCCIÓN CIENTÍFICA DE LA UAM [PPC]

12.1. PDI PERMANENTE

AREAN FRAGA, DANIEL	biblos-e
ARGANDA CARRERAS, ERNESTO	biblos-e
ASCASIBAR SEQUEIROS, YAGO	biblos-e
BALLESTEROS MARTINEZ, GUILLERMO	biblos-e
CEVERINO RODRIGUEZ, DANIEL	biblos-e
DIAZ BELTRAN, ANGELES ISABEL	biblos-e
FERNANDEZ TROCONIZ ACHA, JORGE	biblos-e

<u>GARCIA-BELLIDO CAPDEVILA, JUAN</u>	<u>biblos-e</u>
<u>GLASMAN KUGUEL, CLAUDIA BEATRIZ</u>	<u>biblos-e</u>
<u>HERDOIZA BOLAÑOS, GREGORIO</u>	<u>biblos-e</u>
<u>HERRERO SOLANS, MARIA JOSE</u>	<u>biblos-e</u>
<u>HERVAS LEON, LUIS</u>	<u>biblos-e</u>
<u>KNEBE, ALEXANDER</u>	<u>biblos-e</u>
<u>LABARGA ECHEVERRIA, LUIS ALFONSO</u>	<u>biblos-e</u>
<u>MEEUS, GWENDOLYN</u>	<u>biblos-e</u>
<u>MERLO, LUCA</u>	<u>biblos-e</u>
<u>MUÑOZ LOPEZ, CARLOS</u>	<u>biblos-e</u>
<u>NO REDONDO, JOSE MIGUEL</u>	<u>biblos-e</u>
<u>PENA RUANO, CARLOS ROBERTO</u>	<u>biblos-e</u>
<u>PESO MALAGON, JOSE MARÍA DEL</u>	<u>biblos-e</u>
<u>ROBLEDO MARTIN, LUIS MIGUEL</u>	<u>biblos-e</u>
<u>SABIO VERA, AGUSTIN</u>	<u>biblos-e</u>
<u>SANCHEZ CONDE, MIGUEL ANGEL</u>	<u>biblos-e</u>
<u>TERRON CUADRADO, JUAN</u>	<u>biblos-e</u>
<u>YEPES ALONSO, GUSTAVO</u>	<u>biblos-e</u>

12.2 PDI NO PERMANENTE

12.2.1 PDI EMÉRITO

<u>ALVAREZ VAZQUEZ, ENRIQUE</u>	<u>biblos-e</u>
<u>BARREIRO ALONSO, FERNANDO</u>	<u>biblos-e</u>
<u>DOMINGUEZ TENREIRO, ROSA MARIA</u>	<u>biblos-e</u>
<u>EGIDO DE LOS RIOS, JOSE LUIS</u>	<u>biblos-e</u>
<u>GAVELA LEGAZPI, MARIA BELEN</u>	<u>biblos-e</u>
<u>GONZALEZ-ARROYO ESPAÑA, ANTONIO</u>	<u>biblos-e</u>
<u>IBAÑEZ SANTIAGO, LUIS ENRIQUE</u>	<u>biblos-e</u>
<u>PARGA CARBALLEDA, NESTOR</u>	<u>biblos-e</u>
<u>POVES PAREDES, ALFREDO</u>	<u>biblos-e</u>
<u>SANCHEZ RON, JOSE MANUEL</u>	<u>biblos-e</u>

12.2.2. PDI DOCTOR NO PERMANENTE

<u>AGUSTI CASADO, ANDRES</u>	
ALVES BATISTA, RAFAEL	
COLLAZUOL, VERÓNICA	
<u>CUETO GOMEZ, ANA ROSARIO</u>	<u>biblos-e</u>
<u>CUI, WEIGUANG</u>	<u>biblos-e</u>
<u>DE LA TORRE LUQUE, PEDRO JOSE</u>	
DE LOS RIOS, MARTIN EMILIO	
<u>GIARDINO, PIER PAOLO</u>	<u>biblos-e</u>
<u>GIULIANI, SAMUEL ANDREA</u>	<u>biblos-e</u>
<u>GONZALEZ PEREZ, VIOLETA</u>	<u>biblos-e</u>
<u>HOUGH, TOMAS</u>	<u>biblos-e</u>
<u>HUSUNG, NIKOLAI ANDRE</u>	<u>biblos-e</u>
JIMENEZ MUÑOZ, ALEJANDRO	
KPATCHA, ESSODJOLO	
<u>LOPEZ ASAMAR, ELIAS</u>	<u>biblos-e</u>
<u>LOTINA, LUKA</u>	

MADGE PIMENTEL, ERIC	
OSPINA ESCOBAR, NATALY	
PASCUAL DOMINGUEZ, LUIS	
PEREZ GONZALEZ, YUBER FERNEY	
PEREZ, ANDRES DANIEL	biblos-e
RODRIGUEZ FERNANDEZ, DAVID	
SABIN LESTAYO, CARLOS	biblos-e
SANDA SEOANE, ROSA MARIA	biblos-e
STOPPACHER, DORIS	
TASTET, JEAN-LOUP	
VALENZUELA AGÜÍ, IRENE	biblos-e

12.2.3. PERSONAL INVESTIGADOR EN FORMACIÓN

ALONSO GONZALEZ, DAVID	biblos-e
ARANEDA MUÑOZ, NICOLE	
BATLAMOUS, SOUAD	
CASTRILLO VARONA, ASIER	biblos-e
CONTRERAS DE SANTOS, ANA	
DE ANDRÉS HERNÁNDEZ, DANIEL	biblos-e
DE ICAZA LIZAOLA, MIGUEL ANGEL CUITLAHUAC	
DE LA FUENTE ESCRIBANO, MIGUEL	biblos-e
DELGADO, MATILDA ANNE	
DI MARCO, GAETANO	
DOMENECH MOYA, JOSE DANIEL	
ENGUITA VILETA, VICTOR	biblos-e
FERNÁNDEZ SUÁREZ, CRISTINA	
FUENTES ZAMORO, MARTA	
GAMEZ MARIN, MATIAS	
GARCIA ROMEU, PAU	
GOMEZ URIBE, JONATHAN SEBASTIAN	biblos-e
GONZALEZ LOPEZ, MANUEL	
GUTIERREZ ADAME, ADRIAN	biblos-e
JARABA GOMEZ, SANTIAGO	
LOPEZ NOE, RAFAEL	biblos-e
MACHADO RODRIGUEZ, JONATHAN-GILBERT	
MARCANO IMAZ, XABIER	
MARTIN BARANDIARAN, MIKEL	
MARTINEZ-LARRAZ TORRA, JAIME	
MELOTTI, LUCA	
MORRAS GUTIERREZ, GONZALO	biblos-e
NAREDO TUERO, DANIEL	biblos-e
NUÑO SILES, JOSE FRANCISCO	biblos-e
OLEX, EDWARD SEBASTIAN	biblos-e
PEREZ RODRIGUEZ, ALEJANDRO	biblos-e
PICO LORENZO, MARTIN	
PRINCIPE MARTIN, MIGUEL ANGEL	biblos-e
REY IDLER, JULIAN LEONARDO	
REYES PERAZA, GUILLERMO	
RODRIGUEZ MONROY, MARTIN	
ROSENDE HERRERO, SAMUEL	
RUIZ GARCIA, IGNACIO	biblos-e
SAEZ GONZALVO, ALEJANDRO	

SANTONI, SARA
SERRANO FERNÁNDEZ, LUIS
SOPENA GONZALEZ, ALEJANDRO
[VELASCO AJA, EDUARDO](#)
ZATTI, MATTEO
ZURIAGA PUIG, JAUME

[biblos-e](#)

12.2.4. PROFESORES HONORARIOS

AKRAMI, YASHAR
ALHAMBRA, ALVARO M.

[biblos-e](#)

[biblos-e](#)

