

Frontier research in astrophysics and particle physics

**MASTER'S DEGREE IN PARTICLE PHYSICS AND PHYSICS OF
THE COSMOS**

UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO

This document can be used as reference documentation of this subject for the application for recognition of credits in other study programmes. For its full effect, it should be stamped by UIMP Student's Office.



GENERAL DATA

Name

Frontier research in astrophysics and particle physics

Code

102445

Academic year

2023-24

Degree

[MASTER'S DEGREE IN PARTICLE PHYSICS AND PHYSICS OF THE COSMOS](#)

ECTS Credits

3

Type

MANDATORY

Duration

Cuatrimestral

Language

FACULTY

Coordinator/s

Gómez Gramuglio, Gervasio

*Científico Titular del CSIC.
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*Científico Titular del CSIC.
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Lecturers

Bonoli , Silvia

*Associate professor - Ikerbasque Associate Professor
Donostia International Physics Center*

Poulin , Vivian

*CNRS Staff Researcher
Physics
Laboratoire Univers et Particules
CNRS U. de Montpellier*

Wolz , Laura

*Department of Physics and Astronomy
University of Manchester*

Estrada Vigil, Juan Cruz

*Doctor en Física
Sr. Scientists, Astrophysics Department
Fermi National Accelerator Laboratory*

Kretschmar , Peter

*Dr. Astrofísica de altas energías
European Space Agency*

Cole , Philippa

*PhD in Physics
Astrophysics
Universita degli Studi di Milano-Bicocca*

Aird , James

*PhD
Future Leaders Fellow
University of Edinburgh*

Murgia , Simona

*Profesora de Física y Astronomía
Universidad de California, Irvine*

SCHEDULE

Timetable

18/01/2024

11:00 - 13:00

Hlgh redshift AGN

James Aird

PhD
Future Leaders Fellow
University of Edinburgh

23/02/2024

11:00 - 13:00

The Hubble tension: a window on the early universe

Vivian Poulin

CNRS Staff Researcher
Physics
Laboratoire Univers et Particules
CNRS U. de Montpellier

08/03/2024

11:00 - 13:00

Primordial Black Holes

Philippa Cole

PhD in Physics
Astrophysics

Universita degli Studi di Milano-Bicocca

15/03/2024

12:00 - 14:00

AGN from J-PAS/PLUS

Silvia Bonoli

Associate professor - Ikerbasque Associate Professor
Donostia International Physics Center

22/03/2024

11:00 - 13:00

Why the Standard Model is not enough

Sven Heinemeyer

Profesor de Investigador
Instituto de Fisica Teorica (IFTE), CSIC-UAM

12/04/2024

11:00 - 13:00

X-ray lighthouses observed through a relativistic looking glass

Peter Kretschmar

Dr. Astrofísica de altas energías
European Space Agency

16/04/2024

17:30 - 19:30

Indirect DM searches an LSST overview

Simona Murgia

Profesora de Física y Astronomía
Universidad de California, Irvine

19/04/2024

11:00 - 13:00

Alpha-g: anti-hydrogen falls down

Germano Bonomi

PROFESSORE ORDINARIO (FULL PROFESSOR)
UNIVERSITA' DEGLI STUDI DI BRESCIA

06/05/2024

17:00 - 19:00

Frontier Research in Astrophysics and Particle Physics

Juan Cruz Estrada Vigil

Doctor en Física
Sr. Scientists, Astrophysics Department
Fermi National Accelerator Laboratory

10/05/2024

11:00 - 13:00

Frontier Research in Astrophysics and Particle Physics

Laura Wolz

Department of Physics and Astronomy
University of Manchester

20/05/2024

9:30 - 10:30

Frontier Research in Astrophysics and Particle Physics

Patricio Vielva Martínez

Científico Titular del CSIC.
Instituto de Física de Cantabria (IFCA), CSIC-UC

10:30 - 11:30

Frontier Research in Astrophysics and Particle Physics

Gervasio Gómez Gramuglio

Científico Titular del CSIC.
Instituto de Física de Cantabria (IFCA), CSIC-UC

21/05/2024

9:30 - 10:30

Frontier Research in Astrophysics and Particle Physics

Patricio Vielva Martínez

Científico Titular del CSIC.
Instituto de Física de Cantabria (IFCA), CSIC-UC

10:30 - 11:30

Frontier Research in Astrophysics and Particle Physics

Gervasio Gómez Gramuglio

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