

FIRST TRIMESTER (SEPTEMBER 9th TO NOVEMBER 29th)

Subjects

Common obligatory courses:

32880 - Gravitation (GRA): Coordinators: Yashar Akrami

Obligatory courses for the specialty "Elementary Particles and Cosmology":

32550 - Quantum Field Theory (QFT): Coordinator: Carlos Pena

Optional courses orientated to the specialty of "Elementary Particles and Cosmology":

32559 - Advanced Mathematics (MAV): Coordinators: José del Peso and Karl Landsteiner

32562- Quantum Entanglement and Information (QEI): Coordinator: Esperanza López Manzanares

Obligatory courses for the specialty "Astrophysics and Physics of the Cosmos":

32554 - Radiative processes in astrophysics (PRA): Coordinator: Alexander Knebe

32565 - Observational techniques in Astrophysics (TOA): Coordinator: Gwendolyn Meeus

Lectures in the Department of Theoretical Physics (Aula 01.08.SS.300)	M-15-201
Lectures in the Institute of Theoretical Physics (IFT)	Room "GRIS 1"

WEEK 1, SEPTEMBER 9 TO 13

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT			
11:00 - 12:00	QFT	QFT	MAV		
12:00 - 13:00	GRA	GRA	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

WEEK 2, SEPTEMBER 16 TO 20

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT			
11:00 - 12:00	QFT	QFT	MAV		
12:00 - 13:00	GRA	GRA	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 3, SEPTEMBER 23 TO 27

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	Inauguration of the MSc in Science 11:30 - 14:30	QFT		TOA*	TOA
11:00 - 12:00		QFT	MAV	TOA*	TOA
12:00 - 13:00		GRA**	MAV	PRA	PRA
13:00 - 14:00		GRA**		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

* Practical TOA sessions will take place at the UAM Observatory (Módulo 15). Some correspond to astronomical observations, and precise dates are subject to meteorological conditions. Additional observations at the Centro Astronómico Hispano-Andaluz in Calar Alto, Almería, will take place in the first trimester of 2025. Evaluation will take place afterwards.

** Practical Session (Prácticas en el Aula)

WEEK 4, SEPTEMBER 30 TO OCTOBER 4

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT			
11:00 - 12:00	QFT	QFT	MAV		
12:00 - 13:00	GRA	GRA	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

WEEK 5, OCTOBER 7 TO 11

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	TOA
11:00 - 12:00	QFT	QFT	MAV	TOA	TOA
12:00 - 13:00	GRA	GRA	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		
18:00 - 22:00				TOA** OBSERVATION	

** Practical Session (Prácticas en el Aula)

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 6, OCTOBER 14 TO 18

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	TOA
11:00 - 12:00	QFT	QFT	MAV	TOA	TOA
12:00 - 13:00	GRA	GRA **	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA **		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		
18:00 - 22:00				TOA ** OBSERVATION	

** Practical Session (Prácticas en el Aula)

WEEK 7, OCTOBER 21 TO 25

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	TOA
11:00 - 12:00	QFT	QFT	MAV	TOA	TOA
12:00 - 13:00	GRA	GRA	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

WEEK 8, OCTOBER 28 TO NOVEMBER 1

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	HOLIDAYS
11:00 - 12:00	QFT	QFT	MAV		
12:00 - 13:00	GRA	GRA	MAV		
13:00 - 14:00	GRA	GRA			
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 9, NOVEMBER 4 TO 8

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	TOA
11:00 - 12:00	QFT	QFT	MAV	TOA	TOA
12:00 - 13:00	GRA	GRA **	MAV	PRA	PRA
13:00 - 14:00	GRA	GRA **		PRA	PRA
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

** Practical Session (Prácticas en el Aula)

WEEK 10, NOVEMBER 11 TO 15

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	QFT	QFT		TOA	HOLIDAYS ("FESTIVO FACULTAD")
11:00 - 12:00	QFT	QFT	MAV	TOA	
12:00 - 13:00	GRA	GRA	MAV	TOA	
13:00 - 14:00	GRA	GRA		TOA	
15:30 - 16:30	QEI	MAV	QEI		
16:30 - 17:30	QEI	MAV	QEI		

WEEK 11, NOVEMBER 18 TO 22 - EVALUATION

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning		GRA	MAV	PRA	

WEEK 12, NOVEMBER 25 TO 29 - EVALUATION

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	QFT		QEI		

Deadline for first semester and final marks submission: February 5th, 2025

SECOND TRIMESTER (DECEMBER 2 TO MARCH 7)

Common obligatory courses:

32549 - Cosmology (COSMO): Coordinators: Alexander Knebe and Savvas Nesseris

Obligatory courses for the specialty “Elementary Particles and Cosmology”

32879 - Standard Model of Particle Physics (SM): Coordinators: María José Herrero and José Miguel No

SM- Block I: 2/12 – 18/12 (María J. Herrero)

SM-Block II: 8/01 – 24/01 (José Miguel No)

SM-Block III: 28/01 – 12/02 (María J. Herrero)

SM-Block IV: 17/02 – 19/02 (José Miguel No)

Optional courses orientated to the specialty of “Elementary Particles and Cosmology”

32558 - Advanced Quantum Field Theory (AQFT): Coordinator: Gregorio Herdoíza

Obligatory courses for the specialty “Astrophysics and Physics of the Cosmos”

32552 - Stellar Structure and Evolution (EEE): Coordinators: Nataly Ospina and Yago Ascasióbar

Optional courses orientated to the specialty of “Astrophysics and Physics of the Cosmos”:

32564 - Stars and Planets Formation (FEP): Coordinator: Gwendolyn Meeus

Lectures (Aula 01.08.SS.300)	M-15-201
Lectures in the Institute of Theoretical Physics (IFT)	Room “GRIS 1”

WEEK 1, DECEMBER 2 TO 6

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00	AQFT	AQFT	AQFT		HOLIDAYS
10:00 - 11:00	AQFT	AQFT	AQFT		
11:00 - 12:00	SM	SM	SM		
12:00 - 13:00	COSMO	COSMO	SM	EEE	
13:00 - 14:00	COSMO	COSMO		EEE	
15:00 - 16:00					
16:00 - 17:00					

WEEK 2, DECEMBER 9 TO 13

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00		AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00			EEE	FEP	
16:00 - 17:00			EEE	FEP	

WEEK 3, DECEMBER 16 TO 20

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00		AQFT	AQFT	FEP	
11:00 - 12:00	SM	SM	SM	FEP	
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00			EEE	FEP	
16:00 - 17:00			EEE	FEP	

WEEK 4, JANUARY 6 TO 10

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00			AQFT		
10:00 - 11:00			AQFT		
11:00 - 12:00			SM		
12:00 - 13:00			SM		
13:00 - 14:00					

WEEK 5, JANUARY 13 TO 17

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00	SM	AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00				FEP	
16:00 - 17:00				FEP	

WEEK 6, JANUARY 20 TO 24

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00	SM	AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00					
16:00 - 17:00					

WEEK 7, JANUARY 27 TO 31

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00	HOLIDAYS (UAM)	AQFT	AQFT		
10:00 - 11:00		AQFT	AQFT		
11:00 - 12:00		SM	SM		
12:00 - 13:00		COSMO	SM	EEE	EEE
13:00 - 14:00		COSMO		EEE	EEE

WEEK 8, FEBRUARY 3 TO 7

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00	SM	AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE

WEEK 9, FEBRUARY 10 TO 14

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00		AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00				FEP	
16:00 - 17:00				FEP	

WEEK 10, FEBRUARY 17 TO 21

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 - 10:00		AQFT	AQFT		
10:00 - 11:00		AQFT	AQFT	FEP	FEP
11:00 - 12:00	SM	SM	SM	FEP	FEP
12:00 - 13:00	COSMO	COSMO	SM	EEE	EEE
13:00 - 14:00	COSMO	COSMO		EEE	EEE
15:00 - 16:00				FEP	
16:00 - 17:00				FEP	

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 11, FEBRUARY 24 TO 28

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	SM		AQFT		

WEEK 12, MARCH 3 TO 7

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	COSMO	EEE		FEP	

Deadline for second trimester and final marks submission: June 5th, 2025

THIRD TRIMESTER (MARCH 10 TO MAY 30)

Optional courses for both specialties:

32555 - *Astroparticle Physics (ASP)*: Coordinators: David Cerdeño and Miguel Sanchez-Conde

32556 - *Advanced Cosmology (COAv)*: Coordinator: Gustavo Yepes

33436 - *Advanced Gravitation (GRAAv)*: Coordinator: Tomás Ortín

Optional courses orientated to the specialty of "Elementary Particles and Cosmology":

32560 - *Open Problems in the Standard Model (OPSM)*: Coordinator: Luca Merlo

32561 - *Experimental Particle Physics (FISExp)*: Coordinators: Jorge de Trocóniz, Claudia Glasman, Juan Terrón

Optional courses orientated to the specialty of "Astrophysics and Physics of the Cosmos":

32566 - *Computational Astrophysics (ACO)*: Coordinator: Weiguang Cui

32563 - *Galaxy Formation and Evolution (FEG)*: Coordinator: Daniel Ceverino

Lectures Faculty of Science (Aula 01.08.SS.300) ("FISExp": Aula 01.15.SS.300)	M-15-201 (M-15-300)
Lectures in the Institute of Theoretical Physics (IFT)	Room "GRIS 1"

WEEK 1, MARCH 10 TO 14

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	CoAV
11:00 - 12:00	ASP	ASP	CoAV	ACO	CoAv
12:00 - 13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00 - 14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00 - 16:00	FISExp	FISExp	GRAAv	GRAAv	ACO
16:00 - 17:00	FISExp	FISExp	GRAAv	GRAAv	ACO

WEEK 2, MARCH 17 TO 21

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	HOLIDAYS	ACO	CoAV
11:00 - 12:00	ASP	ASP		ACO	CoAv
12:00 - 13:00	OPSM	OPSM		FEG	FEG
13:00 - 14:00	OPSM	OPSM		FEG	FEG
15:00 - 16:00	FISExp	FISExp		GRAAv	ACO
16:00 - 17:00	FISExp	FISExp		GRAAv	ACO

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 3, MARCH 24 TO 28

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	CoAV
11:00 - 12:00	ASP	ASP	CoAV	ACO	CoAv
12:00 - 13:00	OPSM	OPSM	GRAAv	FEG	FEG
13:00 - 14:00	OPSM	OPSM	GRAAv	FEG	FEG
15:00 - 16:00	FISExp	FISExp	GRAAv	GRAAv	ACO
16:00 - 17:00	FISExp	FISExp	GRAAv	GRAAv	ACO

WEEK 4, MARCH 31 TO APRIL 4

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	CoAV
11:00 - 12:00	ASP	ASP	CoAV	ACO	CoAv
12:00 - 13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00 - 14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00 - 16:00	FISExp	FISExp	GRAAv	GRAAv	ACO
16:00 - 17:00	FISExp	FISExp	GRAAv	GRAAv	ACO

WEEK 5, APRIL 7 TO 11

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	CoAV
11:00 - 12:00	ASP	ASP	CoAV	ACO	CoAv
12:00 - 13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00 - 14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00 - 16:00	FISExp*	FISExp*	GRAAv	GRAAv	ACO
16:00 - 17:00	FISExp*	FISExp*	GRAAv	GRAAv	ACO
17:00 - 18:00	FISExp*	FISExp*			

* Group Tutorials (Tutorías en Grupo)

APRIL 14 TO 18

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
HOLIDAYS (EASTER)					

ACADEMIC YEAR 2024-2025

MASTER IN THEORETICAL PHYSICS

GROUP 280

WEEK 6, APRIL 21 TO 25

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	HOLIDAYS (EASTER)	ASP	CoAV	ACO	CoAV
11:00 - 12:00		ASP	CoAV	ACO	CoAv
12:00 - 13:00		OPSM	OPSM	FEG	FEG
13:00 - 14:00		OPSM	OPSM	FEG	FEG
15:00 - 16:00		FIExp*	GRAAv	GRAAv	ACO
16:00 - 17:00		FIExp*	GRAAv	GRAAv	ACO
17:00 - 18:00		FIExp*			

* Group Tutorials (Tutorías en Grupo)

WEEK 7, APRIL 28 TO MAY 2

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	HOLIDAYS	HOLIDAYS
11:00 - 12:00	ASP	ASP	CoAV		
12:00 - 13:00	OPSM	OPSM	GRAAv		
13:00 - 14:00	OPSM	OPSM	GRAAv		
15:00 - 16:00	FIExp*	FIExp*	GRAAv		
16:00 - 17:00	FIExp*	FIExp*	GRAAv		
17:00 - 18:00	FIExp*	FIExp*			

* Group Tutorials (Tutorías en Grupo)

WEEK 8, MAY 5 TO 9

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	CoAV
11:00 - 12:00	ASP	ASP	CoAV	ACO	CoAv
12:00 - 13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00 - 14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00 - 16:00	FIExp*	FIExp*	GRAAv	GRAAv	ACO
16:00 - 17:00	FIExp*	FIExp*	GRAAv	GRAAv	ACO
17:00 - 18:00	FIExp*	FIExp*			

* Group Tutorials (Tutorías en Grupo)

WEEK 9, MAY 12 TO 16

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	HOLIDAYS	
11:00 - 12:00	ASP	ASP	CoAV		
12:00 - 13:00	OPSM	OPSM	GRAAv		
13:00 - 14:00	OPSM	OPSM	GRAAv		
15:00 - 16:00	FIExp*	FIExp*	GRAAv		
16:00 - 17:00	FIExp*	FIExp*	GRAAv		
17:00 - 18:00	FIExp*	FIExp*			

* Group Tutorials (Tutorías en Grupo)

WEEK 10, MAY 19 TO 23

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
10:00 - 11:00	ASP	ASP	CoAV	ACO	
11:00 - 12:00	ASP	ASP	CoAV	ACO	
12:00 - 13:00	OPSM	OPSM	OPSM	FEG	FEG
13:00 - 14:00	OPSM	OPSM	OPSM	FEG	FEG
15:00 - 16:00	FIExp*	FIExp*	GRAAv	GRAAv	ACO
16:00 - 17:00	FIExp*	FIExp*	GRAAv	GRAAv	ACO
17:00 - 18:00	FIExp*	FIExp*			

* Group Tutorials (Tutorías en Grupo)

WEEK 11, MAY 26 TO 30

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
morning	OPSM	COAv	ASP	ACO	FEG
afternoon	GRAAv		FIExp		

Deadline for third trimester and final marks submission: June 5th, 2025

MASTER THESIS

Ordinary call: JULY 2nd TO 7th, 2025 - PRESENTATION TFM

Deadline for MSc thesis marks submission: July 10th, 2025

FINAL EVALUATION (SECOND CALL)

JUNE 2 TO 6

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	GRA	QFT	MAV	PRA	TOA
AFTERNOON					
	At the Centre's discretion	POSSIBLE EXAMS EvAU 2022			

JUNE 9 TO 13

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	EEE	COSMO	AQFT	SM	FEP
AFTERNOON					

JUNE 16 TO 20

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	ASP	OPSM	COAv	ACO	GRAAv
AFTERNOON					

JUNE 23 TO 27

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
MORNING	QEI	FisExp		FEG	
AFTERNOON					

Deadline for final marks submission: July 2nd, 2025

MASTER THESIS

Second call: WEEK SEPTEMBER 8th TO 12th - PRESENTATIONS TFM

Deadline for final marks submission (Master Thesis), until September 19th, 2025