



# Lectures & tutorials week

## Monday, 5 July 2021

**Lectures: Introduction to particle physics and detectors (09:30 - 12:00)**

time	[id] title	presenter
09:30	[4] Introduction to Particle Physics	PIMENTA, Mário
11:00	Coffee break	
11:15	[6] Particle detectors	GOMES, Agostinho

# Tuesday, 6 July 2021

## Lectures: LHC & social physics (09:40 - 11:55)

time	[id] title	presenter
09:40	[8] Introduction to LHC physics	GALLINARO, Michele
10:20	[9] Higgs and beyond the Standard Model searches at the LHC	PEIXOTO, Ana
11:00	Coffee break	
11:15	[34] Social physics	Dr PERFEITO, Lilia

# Wednesday, 7 July 2021

## Lectures: Space, astroparticles and rare event searches (09:40 - 12:00)

time	[id] title	presenter
09:40	[15] Astroparticles	CONCEIÇÃO, Rúben
10:20	[16] Dark matter and rare event searches	BRAZ, Paulo
11:00	Coffe break	
11:15	[17] Radiation environment in space	GONÇALVES, Patricia

# Thursday, 8 July 2021

## Lectures: Computing & health (09:40 - 11:55)

time	[id] title	presenter
09:40	[10] Detector and physics simulations	TOMÉ, Bernardo
10:20	[24] Machine learning in particle physics	CRISPIM ROMAO, Miguel
11:00	Coffe break	
11:15	[23] Particles and health	CRESPO, Paulo

# Friday, 9 July 2021

## Lectures: The nucleon, QCD and heavy ions (10:20 - 11:55)

time	[id] title	presenter
10:20	[29] The internal structure of the particles	QUARESMA, Marcia
11:00	Coffee break	
11:15	[30] QCD & heavy ion physics	APOLINÁRIO, Liliana