

Physics Erasmus Summer School 2026: Looking up, looking down

	Monday Sep 7	Tuesday Sep 8	Wednesday Sep 9	Thursday Sep 10	Friday Sep 11
8:30-10:40	8:30-9:35 Registration				
	9:35-9:50 Welcome address	9:00-9:50 *Rafael Luque Sub-Neptunes, the most common type of planet in the Galaxy ... and the most habitable?	9:00-9:50 Patricia Oliva Pavón The role of remote sensing in wildfire prevention and damage assessment	9:30-10:20 Alicia Sintes Gravitational waves: A decade of exploring the Universe	9:00-9:50 *Juan J. González Alemán Human-induced climate change amplification on storm dynamics in Valencia's 2024 catastrophic flash flood
	9:50-10:40 Fabio Reale The stormy Sun: The foundations of space weather	9:50-10:40 Tuomas Grahn What happens inside stars?	9:50-10:40 Philip Reutter Planetary atmospheres: Insights from Earth	10:20-10:45 Inês Andrade Simulating the Universe's most extreme collisions: An introduction to Numerical Relativity	9:50-10:40 Varis Karitans Aberrometry and wavefront correction in Astronomy
10:40-11:10	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:10-13:15	11:10-12:00 Livia Ludhova Geo-neutrinos: a new tool to study the Earth	11:10-12:00 Arturs Brekis: Thermoacoustics – key to space and energy harvesting technologies	11:10-12:00 Panu Ruotsalainen The Hoyle state and the cosmic origin of life	11:10-11:35 Sergio Portillo The future of computers: Taking inspiration from the brain	11:10-11:35 Italo Moletto-Lobos The harvest was written in the sky: remote sensing for crop monitoring and yield prediction
	12:00-12:25 Violeta Matos Inside AEMET: Forecasting heavy rain and flood risk	12:00-13:15 Antonio Turiel Sustainability and the terminal crisis of capitalism	12:00-12:25 Elena González The Alhambra survey: Galaxy distribution at small scales	11:35-12:00 Jonathan Bustos Coriolis Force: What it does and what it doesn't do	11:35-12:00 Kiara Hervella AGN jets: How Black Holes shape their galaxies
	12:25-13:15 Virtual visit to the Calar Alto Telescopes		12:25-13:15 Vicent J. Martínez The Reinvention of Science: From invoking invisible entities to the dinosaur extinction debate	12:00-12:15 12:15-12:30	12:00-12:50 Pedro Ruiz-Castell Beyond Invention: How Societies Shape(d) Technology
13:15-14:35	Lunch	Lunch	Lunch	Lunch	12:40-13:15 Closing
14:35-	14:35-15:25 Belén Franch Transforming agriculture: Remote sensing for sustainable management	14:35-15:25 *Tiziana Di Salvo A journey through the Universe: Expansion and cosmological models	16:00-17:00 Visit to the Valencia Headquarters of AEMET (elective activity) 16:00-18:30 Visit to the Museum of Sciences (Ciutat de les Ciències, elective activity)	14:35-15:25 Experimenta fair & Poster session	14:00-... School's closing lunch
	15:25-15:40	15:25-17:10 Round Table Science and Education in the Question of Palestine and Global Human Rights: Impact and Responsibilities		15:25-15:40	
	15:40-15:55		15:40-15:55		
	15:55- Ice-Breaking Games	17:30- 19:00 Workshop on data analysis (elective activity) - Hunting exoplanets - Eyes in the sky: Mapping wildfires with satellites	19:00-20:00 Planetary Session at the Hemisfèric (Ciutat de les Ciències)	15:55-17:10 Special session Physics without frontiers	Afternoon on the beach (optional)
			17:10- Photo-Gymkhana		

Astronomy & Astrophysics
Earth Physics & Thermodynamics
Multidisciplinary, cross-cutting topics
Contributed talks
Activities

*Online

Note that the vertical size of the boxes is not related to their duration, nor are the boxes of different days synchronized. Instead, the detailed start and end times are explicitly written inside each box.