



PROGRAM FOR THE FUNDAMENTALS

Summer School in High-Energy and Gravitational Physics

16 – 20 SEPTEMBER 2024 IN SPLIT, CROATIA

MONDAY, 16TH OF SEPTEMBER

10:30 – 11:15	REGISTRATIONS
11:15 – 11:45	COFFEE BREAK
11:45 – 12:00	OPENING
12:00 – 13:15	GORAN SENJANOVIĆ TBA
13:15 – 15:00	LUNCH BREAK
15:00 – 16:15	PAULA-IRENE VILLA BRASLAVSKY Simply the best? - On the relevance of social positions and normative assumptions in academic careers
16:15 – 16:45	COFFEE BREAK
16:45 – 18:45	POSTER FLASH PRESENTATIONS
19:00	WELCOME DRINKS

TUESDAY, 17TH OF SEPTEMBER

10:00 – 11:15	TINA POTTER Seeing the invisible; the Dark Matter puzzle
11:15 – 11:45	COFFEE BREAK
11:45 – 13:00	BLAZENKA MELIC Flavour physics in a triangle
13:15 – 15:30	LUNCH BREAK
15:30 – 16:45	KRISTOF SCHMIEDEN The quest for Axions – Attempting to clean up dark matter and more
16:45 – 17:15	COFFEE BREAK
18:00	SPLIT CITY TOUR

WEDNESDAY, 18TH OF SEPTEMBER

10:00 – 11:15	ZVONIMIR VLAH TBA
11:15 – 11:45	COFFEE BREAK
11:45 – 13:00	JIA LIU AI in Physics: A Rapid Introduction to Revolutionary Tools
13:15 – 15:00	LUNCH BREAK
15:00 – 16:15	HITOSHI MURAYAMA TBA
16:15 – 16:45	COFFEE BREAK
16:45 – 19:00	POSTER SESSION

THURSDAY, 19TH OF SEPTEMBER

10:00 – 11:15	MISAO SASAKI Primordial Inflation: Known Knowns, Known Unknowns, and Unknown Unknowns
11:15 – 11:45	COFFEE BREAK
11:45 – 13:00	EDWARD W. KOLB Sailing the Seething Sea of Quantum Uncertainty
13:15 – 15:30	LUNCH BREAK
15:30 – 16:45	DIETER LÜST Swampland and Dark Relations
16:45 – 17:15	COFFEE BREAK
20:00	SPEAKER DINNER

FRIDAY, 20TH OF SEPTEMBER

10:00 – 11:15	YARON OZ TBA
11:15 – 11:45	COFFEE BREAK
11:45 – 13:00	ALI CHAMSEDINNE Mimetic Gravity: A Review
13:15 – 15:30	LUNCH BREAK
15:30 – 16:45	VIATCHESLAV MUKHANOV Gravitationally dominated instantons
16:45 – 17:15	COFFEE BREAK
17:15 – 17:30	CLOSING
19:00	PUBLIC TALK BY ANDREAS BURKERT "Big Bang and Star Dust: Uncovering our Cosmic Origin"