

Program Week 1 (July 29th - August 3rd)
PhD School on Quantum Gravity

WEEK 1	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9:15-9:30	<i>Opening Speech</i>					
9:30-11:00	Buoninfante	Buoninfante	Knorr & Platania	Knorr & Platania	Kumar	Kumar
11:00-11:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30-13:00	Buoninfante	Buoninfante	Knorr & Platania	Knorr & Platania	Kumar	Kumar
13:00-13:20	Gong Show	Gong Show	Gong Show	Gong Show	Gong Show	Own Lunch
13:20-14:30	Lunch	Lunch	Group Photo & Lunch	Lunch	Lunch	
14:30-16:00	Tokareva	Tokareva	Basile	Basile	Di Filippo	Di Filippo
16:00-16:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
16:30-18:00	Tokareva	Tokareva	Basile	Basile	Di Filippo	Di Filippo
18:00-18:15						<i>Closing Remarks</i>
18:30		BBQ		Pizza & Career		

Lectures:

Luca Buoninfante (Radboud Univ.): “Introduction to Perturbative Quantum Gravity”

Anna Tokareva (Hangzhou IAS): “Gravitational effective field theory and positivity bounds”

Benjamin Knorr (Nordita) and Alessia Platania (NBI): “Non-perturbative Renormalization Group and Asymptotic Safety”

Ivano Basile (LMU): “Introduction to String Theory”

Pravrajit Kumar (ICG, Portsmouth): “Inflationary cosmology from effective field theory to Quantum Gravity”

Francesco Di Filippo (Charles Univ.): “Quantum effects in black hole spacetimes”

Program Week 2 (5-9 August)
Workshop on formal aspects of Quantum Gravity, Part 1

WEEK 2	Monday	Tuesday	Wednesday	Thursday	Friday
8:45-9:00	<i>Opening Speech</i>				
9:00-10:00	Donoghue	Anselmi	Loll	Oriti	Dittrich
10:00-11:00	Percacci	Koshelev	Turok	Dowker	Di Vecchia
11:00-11:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30-12:30	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers
12:30-14:30	Lunch	Lunch	Group Photo & Lunch	Lunch	Lunch
14:30-16:30	Panel: “ <i>QFT framework for quantum gravity: yes or no?</i> ” with Anselmi, Dittrich, Di Vecchia, Percacci, Van Riet Chair: Basile	Panel: “ <i>Unitarity, causality, stability</i> ” with Basile, Dittrich, Donoghue, Giddings, Koshelev Chair: Percacci	Free afternoon	Panel: “ <i>Features and principles of quantum gravity: degrees of freedom, nonlocality, non-commutativity</i> ” with Dowker, Giddings, Koshelev, Loll, Oriti Chair: Van Riet	Panel: “ <i>Status of the string paradigm</i> ” with Anselmi, Basile, Di Vecchia, Turok, Van Riet Chair: Giddings
16:30-16:45					<i>Closing Remarks</i>
18:30		BBQ		Social Dinner	

Program Week 3 (12-16 August)
Workshop on formal aspects of Quantum Gravity, Part 2

WEEK 3	Monday	Tuesday	Wednesday	Thursday	Friday
8:45-9:00	<i>Opening Speech</i>				
9:00-10:00	Pawłowski	Lewandowski	Bjerrum-Bohr	Tseytlin	Modesto
10:00-11:00	Basile	Surya	Carrillo-González	Gnecchi	Rachwał
11:00-11:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30-12:30	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers
12:30-14:30	Lunch	Lunch	Group Photo & Lunch	Lunch	Lunch
14:30-16:30		Panel: <i>“Discrete vs continuum approaches: is spacetime discrete?”</i>	Free afternoon	Panel: <i>“S-matrix approaches: yes or no?”</i>	Panel: <i>“Perturbative vs non-perturbative approaches: is QG non-perturbative?”</i>
16:00-18:00	Panel: <i>“Swampland: yes or no?”</i> with Basile, Gnecchi, Kallosh (online), Pawłowski, Surya Chair: Dvali	with Dvali, Lewandowski, Rachwał, Surya, Woodard Chair: Modesto		with Bjerrum-Bohr, Carrillo-González, Dvali, Tseytlin, Woodard Chair: Gnecchi	with Lewandowski, Modesto, Pawłowski, Rachwał, Tseytlin Chair: Woodard
16:30-16:45					<i>Closing Remarks</i>
18:30		BBQ		Social Dinner	

Program Week 4 (19-23 August)
Workshop on Quantum Gravity Phenomenology

WEEK 4	Monday	Tuesday	Wednesday	Thursday	Friday
8:45-9:00	<i>Opening Speech</i>				
9:00-10:00	Salvio	Eichhorn	Heisenberg	Davis	Brandenberger
10:00-11:00	Moniz	Vidotto	Papadoulaki	Gubitosi	Sakellariadou
11:00-11:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11:30-12:30	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers	Open discussion with daily speakers
12:30-14:30	Lunch	Lunch	Group Photo & Lunch	Lunch	Closing & Lunch
14:30-16:30	Panel: " <i>Quantum cosmology</i> " with Brandenberger, Davis, Moniz, Salvio, Stelle Chair: Hassan	Panel: " <i>Probing quantum gravity with future observations</i> " with Davis, Gubitosi, Hassan, Heisenberg, Sakellariadou Chair: Liberati	Panel: " <i>Quadratic gravity, effective field theory, and modified gravity: use and limitations</i> " with Brandenberger, Eichhorn, Hassan, Salvio, Stelle Chair: TBA	Panel: " <i>Black holes in quantum gravity</i> " with Eichhorn, Liberati, Papadoulaki, Sakellariadou, Vidotto Chair: Stelle	Free afternoon
16:30-18:00			Niels Bohr Colloquium: <i>Analogue Gravity</i> Stefano Liberati		
18:30		BBQ		Social Dinner	