Sunday, June 25, 2017

17:00 – 21:00 Registration

18:00 *DINNER*

Monday, June 26, 2017

07:30	BREAKFAST	
08:15 – 08:30	Albert Roura	Welcome words
08:30 - 09:30	Lajos Diósi	Principle of least decoherence in semiclassical gravity (1986-2017-?)
09:30 – 10:30	Domenico Giulini	Properties and consequences of the Schrödinger-Newton equation
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:00	Stephanie Wehner	A universal test for gravitational decoherence
12:00	Conference Photo (in the front of the lecture hall)	
12:10	LUNCH	

Monday, June 26, 2017

13:30 – 14:30	Markus Arndt	The quest for possible mass limits of the quantum superposition principle
14:30 – 15:30	Hendrik Ulbricht	Prospects of using levitated optomechanics to test quantum mechanics and gravity
15:30 – 16:00	COFFEE BREAK	
16:00 – 16:15	Stefan Jorda	About the Wilhelm and Else Heraeus Foundation
16:15 – 17:15	Catalina Oana Curceanu	Whispers in the cosmic silence. Underground experiments to chart the landscape of (gravity induced) collapse models
17:15 – 18:45	3 Minute Poster Presentations	
19:00	DINNER	
20:00 – 21:30	Poster Session	

Tuesday, June 27, 2017

07:30	BREAKFAST	
08:30 - 09:30	Claus Kiefer	Decoherence in quantum cosmology
09:30 – 10:30	Bernard Kay	The matter-gravity entanglement hypothesis
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:00	William Unruh	Gravitational decoherence
12:00	LUNCH	

Tuesday, June 27, 2017

13:30 – 14:30	Nergis Mavalvala	Gravitational wave detection — first discoveries and beyond
14:30 - 15:30	Roman Schnabel	Towards a nonclassical state of motion of two mirrors with masses of 0.1 kg
15:30 – 16:00	COFFEE BREAK	
16:00 – 17:00	Markus Aspelmeyer	Quantum optomechanics: new opportunities for gravity (quantum) experiments
17:00 – 18:00	Discussion	
18:00	HERAEUS DINNER (social event with cold &	warm buffet with complimentary drinks)
20:00 – 20:30	Poster Prize	
20:30 – 21:30	Daniele Vetrugno	LISA Pathfinder results: a ticket to listen to the music of the Universe from space!

Wednesday, June 28, 2017

07:30	BREAKFAST	
08:30 - 09:30	Charis Anastopoulos	Gravity coupling to quantum systems: coherence vs. decoherence
09:30 – 10:30	Luis P. García-Pintos	Loss of coherence from using real clocks and the production of events in quantum physics
10:30 – 11:00	COFFEE BREAK	
11:00 – 12:00	Igor Pikovski	Universal decoherence due to gravitational time dilation
12:00 – 13:00	Closing Discussion	
13:00	LUNCH	

End of the seminar and departure

NO DINNER for participants leaving on Thursday morning