



## Challenges for Witnessing Quantum Aspects of Gravity in a Lab

Time: 09:00 SP = 08:00 EST=14:00 CEST

(All Time in BRT) All Talks are for 25+5 minutes, abundant time for panel discussions

Monday, June 7	Tuesday, June 8	Wednesday, June 9	Thursday, June 10	Friday, June 11
Theory Aspects of Quantum Gravity [Chair: Anupam Mazumdar]	Macroscopic Quantum Superposition [Chair: Vlatko Vedral]	Diamond & Quantum Properties [Chair Yair Margalit ]	Short Distance Physics [Chair Peter Barker ]	Levitation, Casimir, 5th Force [Chair Hendrik Ulbricht]
			08:30 - 09:00 Markus Aspelmeyer	08:30 - 09:00 Peter Barker
09:00 - 09:05 Introduction & chaired by Andy Geraci & Anupam Mazumdar	09:00 - 09:30 Markus Arndt	09:00 - 09:30 Martin Plenio	09:00 -09:30 Hendrik Ulbricht	09:00 -09:30 N. D. Hari Dass
09:05 - 09:35 Carlo Rovelli				
09:35 - 10:05 Sougato Bose	09:30 - 10:00 Yair Margalit	09:30 - 10:00 Ryan Marshman	09:30 - 10:00 David Moore	09:30 - 10:00 Simone Rijavec
10:05 - 10:35 Samir Mathur	10:00 - 10:30 Gerald Gabriele	10:00 - 10:30 Gavin Morley	10:00 - 10:30 Timothy Kovachy	10:00 - 10:30 Tongcang Li
10:35 - 11:15 Panel Discussion (20 min)/Coffee break (10 min)	10:30 - 11:00 Panel Discussion (20 min)/Coffee break (10 min)	10:30 - 11:00 Panel Discussion (20 min)/Coffee break (10 min)	10:30 - 11:00 Panel Discussion (20 min)/Coffee break (10 min)	10:30 - 11:00 Panel Discussion (20 min)/Coffee break (10 min)
Classical & Quantum Noise [Chair : Daniel Carney ]	Theory Aspects of Quantum gravity [Chair: Sougato Bose ]	Quantum information & Quantum Gravity [Chair: Nancy Aggarwal ]	Short Distance Physics [Chair: Yair Margalit ]	Future challenges in quantum gravity experiments [ Chair: Daniel Carney]
11:15 - 11:45 Jan Harms	11:00 - 11:30 Vlatko Vedral	11:00 - 11:30 Benjamin Stickler	11:00 - 11:30 Jack Harris	11:00 - 11:30 Brian D' Urso
11:45 - 12:15 Claus Laemmerzahl	11:30 - 12:00 Anupam Mazumdar	11:30 - 12:00 Marko Toros	11:30 - 12:00 Andy Geraci	11:30 -12:00 Cristian Panda
12:15 - 12:45 Kathryn Zurek	12:00 - 12:30 Daniel Carney	12:00 - 12:30 Jacob Taylor	12:00 - 12:30 Chas Blakemore	12:00 - 12:30 Nancy Aggarwal
12:45 - 13:15 Maulik Parikh	12:30 - 13:30 Panel Discussion [ Lead by Markus Aspelmeyer, Sougato Bose, Jacob Taylor ]	12:30 - 13:00 Igor Pikovski	12:30 - 13:00 Ron Folman	12:30 - 13:30 Panel Discussion [Lead by Sougato Bose, Andy Geraci, Anupam Mazumdar]
13:15 - 14:00 Panel Discussion [Lead by Daniel Carney, Anupam Mazumdar, David Moore ]		13:00 - 14:00 Panel Discussion [Lead by Peter Barker, Ron Folman, Yair Margalit]	13:00 - 14:00 Panel Discussion [Lead by Vlatko Vedral, Hendrik Ulbricht ]	