

Program Recent Developments in General Relativity May 21-23 2017

	Name	Title of talk
Sunday	21/5/17	
08:55-9:00	Dean Jay Fineberg	Welcome
9:00- 9:45	Donald Lynden- Bell	Exploring Mach with Joseph
9:45-10:30	Nathalie Deruelle	On the Katz gravity action and conserved charges
10:30-11:00	Coffee	
11:00-11:45	Misao Sasaki	Inflationary massive gravity
11:45-12:30	Glenn Barnich	BMS current algebra, central extension & finite transformations
12:30-13:15	Geoffrey Compere	BMS Vacua and Black Holes
13:15-14:45	Lunch	
14:45-15:30	Ram Brustein	Probing the interior of black holes with gravity waves
15:30-16:15	Felix- Louis Julie	Two-body problem in Scalar-Tensor theories : an Effective-One-Body approach
16:15-16:45	Coffee	
16:45-17:30	Alexander Petrov	The Field-Theoretical and Canonical methods in constructing conservation laws for Perturbations in gravity theories
17:30-18:15	Barak Kol	Feynman diagrams in GR and a geometric method to compute them
18:45-19:15	Conference Reception	
Monday	22/5/17	
9:00-9:45	Bruce Allen	Direct observation of gravitational waves from the merger and inspiral of two black holes
9:45-10:30	Scott A. Hughes	Studying Astrophysical Black Holes with Gravitational Waves
10:30-11:00	Coffee	
11:00-11:45	Vitor Cardoso	Testing GR with GWs
11:45-12:30	Roberto Emparan	Black hole fusion made easy
12:30-13:15	Tsevi Mazeh	Search for dormant stellar black holes in binary systems
13:15-14:00	Lunch	
14:00-15:00	Tour of Einstein Archives	
15:00-15:45	Asher Yahalom	The Geometrical Meaning of Time

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15:45-16:15 Coffee

- 16:15-17:00 Aharon Davidson [Quantum black hole wave packets](#)
17:00-17:45 Nelson Merino [Katz-like superpotential in Lovelock theory](#)
17:45-18:30 Frederic Lamy [Formation and evaporation of black holes without singularity](#)

18:30-21:30 Bus to Dinner at Katz family house (Mevaseret)

Tuesday 23/5/17

- 8:30-9:15 Bernard Whiting [Thermodynamics and Gravitation](#)
9:15-10:00 Jean Philippe Uzan [Gravitational and statistical physics to model the propagation of light in a \(more\) realistic universe](#)
10:00-10:15 Coffee
10:15-11:00 Ofer Lahav [100 years of the Cosmological Constant: what's next?](#)
11:00-11:45 David Langlois [Dark energy and modified gravity with higher-order scalar-tensor theories](#)
Eduardo
11:45-12:30 Guendelman [Interactive Unified Dark Energy and Dark Matter from Scalar Fields](#)
12:30-13:15 Michael Paul [Early-Solar and interstellar actinides](#)
13:15-14:15 Lunch
14:15-15:00 Tsvi Piran Joseph Katz - a teacher and a friend and some conference highlights