

Solvay workshop Infrared Physics: Asymptotic & BMS symmetry, soft theorems, memory, information paradox and all that

VENUE: ULB, Campus de la Plaine, Brussels Building N.O. - 5th Floor - SOLVAY ROOM

Program (May 16 - 18, 2018)

WEDNESDAY 16 MAY 2018

19:30	BANQUET (Plaza Hotel, Blvd Adolphe Max 118-126, 1000 Brussels)
	alternative route from BMS to soft theorems via ambitwistor strings
17:30 - 18:30	Lionel Mason: From null geodesic to gravitational scattering: an
16:30 - 17:30	Christopher White: The many faces of (next-to) soft physics
16:00 - 16:30	COFFEE BREAK (in hall adjacent to the Solvay room)
15:00 - 16:00	Ellis Yuan: Scattering Equations and Soft Theorems
14:00 - 15:00	Ashoke Sen: Soft theorem and its classical limit
13:45 - 14:00	Registration

THURSDAY 17 MAY 2018

09:00 - 10:00	Paolo Di Vecchia: Soft Theorems for Massless Particles from
	Gauge Invariance
10:00 - 11:00	Laurentiu Rodina: S-Matrix Uniqueness from Soft Theorems
11:00 - 11:30	COFFEE BREAK (in hall adjacent to the Solvay room)
11:30 - 12:30	Malcolm Perry: Black Hole Entropy from Soft Hair
12:30 - 12:40	GROUP PHOTO
12:40 - 14:00	LUNCH BREAK (at the university's cafeteria)
14:00 - 15:00	Tom Banks: Currents on the Conformal Boundary and
	Gravitational Scattering Theory

15:00 - 16:00	Prahar Mitra: Asymptotic Symmetries and Soft Theorems in
	Effective Field Theories
16:00 - 16:30	COFFEE BREAK (in hall adjacent to the Solvay room)
16:30 - 17:30	César Gómez: Physics implications of the IR: A short journey
	through Von Neumann spaces
17:30 - 18:30	Massimo Porrati: A few applications of the infrared factorization
	of IR dynamics

FRIDAY 18 MAY 2018

09:00 - 10:00	Abhay Ashtekar: The many faces of infrared issues:
	Some recent developments
10:00 - 11:00	Lydia Bieri: Gravitational Wave Memory and an
	Electromagnetic Analog
11:00 - 11:30	COFFEE BREAK (in hall adjacent to the Solvay room)
11:30 - 12:30	Helmut Friedrich: Hierarchies of asymptotic conditions and results
12:30 - 14:00	LUNCH BREAK (at the university's cafeteria)
14:00 - 15:00	David Garfinkle: Gravitational wave memory and gauge invariance
15:00 - 16:00	Cédric Troessaert: The hamiltonian description of BMS4
16:00 - 16:30	COFFEE BREAK (in hall adjacent to the Solvay room)
16:30 - 17:30	David Nichols: Gravitational-wave memory effects: Observables and
	prospects for measurement
17:30 - 18:30	Miguel Campiglia: Conserved charges at spatial infinity and an
	infinite set of soft photon theorems