Peyresq Physics 2022
Micro and macro structure of spacetime

June 12 – 18, 2022

Monday 13

9:00	Erik Curiel *"Why Marolf is excruciatingly clever and elegant yet still wrong"*
10:30	*Coffee break*
11:00	Ted Jacobson *"Thermodynamic ensembles with cosmological horizons"*
12:45	*Lunch*
14:00	Free discussion time
15:30	*Coffee break*
16:00	Jorinde van de Vis *"Higgs cosmology: from inflation to baryogenesis"*
17:30	Mikel Sanchez Garitaonandia *"Gravitational waves from first-order phase transitions"*
19:30	*Dinner*
After dinner	Introduction to Genepi and the Dahu for the newcomers

Tuesday 14

9:00	Simone Speziale *"Gravitational energy dependence on boundary conditions"*
10:30	*Coffee break*
11:00	Venkatesa Chandrasekaran *"Operator algebras in gravity and the generalized entropy of black holes and de Sitter "*
12:45	*Lunch*
14:00	Free discussion time
15:30	*Coffee break*
16:00	Eugenio Bianchi *"Page curves and the typical entanglement entropy in constrained systems"*
17:30	Bob Wald *"Black Holes Decohere Quantum Superpositions"*
19:30	*Dinner*
After dinner	Alexandre: Extracts from Grothendieck's Recoltes et Semailles

Wednesday 15

9:00	Diego Blas *"On detecting GWs in the microHertz and in the high frequency bands"*
10:30	*Coffee break*
11:00	Eugene Lim *"Looking for Weird Stuff using Gravitational Waves"*
12:45	*Lunch*
14:00	Excursion

Thursday 16

9:00	Alexandre Le Tiec *"The shape of black hole Love"*
10:30	*Coffee break*
11:00	Maciej Kolanowski *"Cold charged black holes in AdS - a few surprises"*
12:45	*Lunch*
14:00	Free discussion time
15:30	*Coffee break*
16:00	Marc Casals *"Semiclassical effects on the Cauchy horizon of Kerr"*
17:30	Manus Visser *"Newton's second law from entanglement"*
19:30	*Dinner*
After dinner	Eugene: piano impromptu

Friday 17

9:00	Marija Tomasevic *"dS through holography "*
10:30	*Coffee break*
11:00	Ruth Gregory *"Quantum Simulators for Fundamental Physics"*
12:45	*Lunch*
14:00	Free discussion time
15:30	*Coffee break*
17:00	Goncalo Araujo-Regado *"Cauchy-slice holography"*
18:00	Bob Wald *"Infrared Finite Scattering in QFT and QG"*
19:30	*Dinner*

Breakfast: 8:00 – 8:45 every day