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| ***Time*** | ***Monday*** ***August 21st*** | ***Time*** | ***Tuesday*** ***August 22nd*** | ***Wednesday*** ***August 23rd*** | ***Thursday*** ***August 24th*** | ***Friday*** ***August 25th*** |
| ***9:30-10:25*** | ***Registration*** | ***9:30-10:30*** | **Damour**  | **Steinhardt**  | **Cardoso**  | **Vecchio** |
| ***10:25-10.30*** | ***Welcome*** | ***10:30-11.00*** | ***Coffee*** | ***Coffee*** | ***Coffee*** | ***Coffee*** |
| ***10:30-11:30*** | **Campanelli** | ***11:00-12:00*** | **Bern** | **Freedman** | **Turok** | **Kolb**  |
| ***11:30–13.45*** | ***Lunch*** | ***12:00-13.45*** | ***Lunch*** | ***Lunch*** | ***Lunch*** | ***Lunch*** |
| ***13:45-14:45*** | **Chatziioannou** | ***13:45-14:45*** | **Sen**  | **Farr** | ***Afternoon in Tivoli Gardens******Workshop dinner: Restaurant Figaro, Tivoli, at 18:30*** | **Gross** |
| ***14:45-15.15*** | ***Coffee***  | ***14:45-15.15*** | ***Coffee*** | ***Coffee*** | ***Coffee*** |
| ***15:15-16:15*** | **Wald** | ***15:15-16:15*** | **Di Vecchia** | **Wong** | **Colloquium by Damour** |
| ***16:15-*** | ***Welcome reception*** |  | **Science & Cocktails talk by Wendy Freedman at****DR-Byen** **~*Starts at 20:00~*** |  | ***Farewell reception at 16:15*** |

Zvi Bern (UCLA)

**From Scattering Amplitudes to Gravitational Waves**

Manuela Campanelli (RIT)

**Numerical Simulations of Merging Binary Systems: Key Insights, New Challenges, and Prospects for the Future**

Katerina Chatziioannou (Caltech)

**Compact Objects and Gravitational Wave Astrophysics**

Vitor Cardoso (Niels Bohr Inst.)

**Black hole spectroscopy**

Thibault Damour (IHES)

**Radiation and Radiation-Reaction in Gravitational Scattering**

Thibault Damour (IHES) (Colloquium)

**Einstein’s Mouse, Bohr's Coat of Arms, and Everett's unsuccessful visit to Copenhagen**

Paolo Di Vecchia (NBI/NORDITA)

**Classical observables of General Relativity from scattering amplitudes**

Will Farr (CCA, Flatiron Institute)

**Cosmology and Fundamental Physics from Stellar Mass Binary Black Holes**

Wendy Freedman (U. of Chicago)

**Measuring the Hubble Constant: Progress and Challenges**

Wendy Freedman (U. of Chicago) (Science & Cocktails talk)

**What's missing from our understanding of the Cosmos?**

David Gross\* (KITP)

**Fifty Years of Quantum Chromodynamics (The Theory of The Strong Nuclear Force)**

*-* ***Quantum Chromodynamics is fifty years old this year.******I shall discuss the past, present and future of this remarkable theory.***

Rocky Kolb (U. of Chicago)

**Cosmological Gravitational Particle Production**

Ashoke Sen (ICTS)

**Revisiting logarithmic correction to black hole entropy**

Paul Steinhardt (Princeton)

**Rethinking Cosmology**

Neil Turok (U. of Edinburgh)

**A minimal SM/LCDM cosmology**

Alberto Vecchio (U. of Birmingham)

**Observing gravitational waves at (ultra-)low frequencies**

Bob Wald (U. of Chicago)

**Black Holes Decohere Quantum Superpositions**

George Wong (IAS, Princeton)

**The next generation of horizon-scale VLBI black hole science**