

Black Holes and Quantum Information

January 12-17, 2014,
The Lopatie center,
The Weizmann Institute of Science,
Rehovot, Israel

Sunday 12/1

9:45 – 10:00	Greetings
10:00 – 10:45	Bekenstein
10:45 – 11:30	Simon
<i>Coffee</i>	
12:00 – 12:45	Kol

Lunch

2:15 – 3:00	Obers
<i>coffee</i>	
3:15 – 4:00	Page
4:00 – 4:45	Yang

Monday 13/1

9:15 – 10:00	Komargodski
10:00 – 10:45	Myers
<i>Coffee</i>	
11:15 - 12:00	Faulkner
12:00 – 12:45	Barbon

Lunch

2:15 – 3:00	Aaronson
<i>coffee</i>	
3:15 – 4:00	Emparan
4:00 – 4:45	Puhm

Tuesday 14/1

9:15 – 10:00	Lifschytz
10:00 – 10:45	Papadodimans
<i>Coffee</i>	
11:15 - 12:00	Harlow
12:00 – 12:45	Verlinde

Wednesday 15/1

(Note parallel administrative and scientific meeting)

9:00 – 11:00 COST core meeting

9:15 – 10:00 Perlmutter

10:00 – 10:45 Vercnocke

Coffee

11:15 - 12:00 Bena

12:00 – 12:45 de Boer

Lunch

2:15 – 3:15 *Special session on gender in academia and education*
Guest speaker: Prof. Hagit Messer-Yaron,
Vice-chairperson of the Israeli Council for Higher
Education, and the Tel-Aviv University school of
engineering.

Coffee

3:45 – 4:30 Brustein

4:30 – 5:15 Toldo

7:00 *Banquet*

Thursday 16/1

9:15 – 10:00 Lopez

10:00 – 10:45 Hubeny

Coffee

11:15 - 12:00 Rangamani

12:00 – 12:45 Czech

Lunch

2:15 – 3:00 Ross

coffee

3:15 – 4:00 Thorlacius

4:00 – 4:45 Bagchi

Friday 17/1

9:15 – 10:00 Gary

10:00 – 10:45 Itzhaki

Coffee

11:15 - 12:00 Camps

12:00 – 12:45 Vandoren

1. Scott Aaronson The Cryptographic Hardness of Decoding Hawking Radiation
2. Arjun Bagchi Holographic Flatspace
3. Jose Barbon Hamiltonian Complementarity
4. Iosif Bena Black Hole Microstate Geometries and their Hovering Mechanism
5. Jacob Bekenstein Positivity of mass in light of negative Casimir energies
6. Ramy Brustein Firewalls, smoke and mirrors
7. Joan Camps Generalized entropy and higher derivative gravity
8. Bartek Czech The emergence of the radial direction, or how to quantify UV/IR entanglement
9. Jan de Boer TBA
10. Roberto Emparan Universal features of black holes in the large D limit
11. Thomas Faulkner Gravitation from entanglement in holographic CFTs
12. Michael Gary The Geometry of Higher Spins Reconsidered
13. Daniel Harlow Some Aspects of the Papadodimas/Raju Proposal
14. Veronika Hubeny Holographic Entanglement Entropy and Black Holes
15. Nissan Itzhaki Some Lessons (and Speculations) on Black Holes from the Cigar's Elliptic Genus
16. Barak Kol Backreaction to geodesics around black holes, quasi-periodic decomposition and equivalent periodic sources.
17. Zohar Komargodski Scale and Conformal Invariance of Massless QFT
18. Gilad Lifschytz Decoding the hologram
19. Esperanza Lopez evolution of entanglement entropy in dynamical backgrounds
20. Rob Myers On spacetime entanglement

21. Niels Obers Elasticity and hydrodynamics of charged black branes
22. Don Page Excluding Black Hole Firewalls with Extreme Cosmic Censorship
23. Kyriakos Papadodimas The black hole interior in AdS/CFT and the information paradox
24. Eric Perlmutter Correlations and Entanglement in Higher Spin Theories
25. Andrea Puhm Non-extremality from metastability ?
26. Mukund Rangamani Preliminary thoughts on the black hole final state
27. Simon Ross Entanglement and correlations near extremality
28. Joan Simon Locality & breaking down of EFT in black hole physics
29. Larus Thorlacius Pure states and black hole complementarity
30. Chiara Toldo AdS₄ black holes in gauged supergravity
31. Stefan Vandoren Extremal black holes in models with spontaneous supersymmetry
32. Bert Vernocke Microstate geometries for radiating black holes
33. Erik Verlinde Emergent Space-Time and the Long String Phenomenon.
34. I-Sheng Yang Quantum Information Flows in Classical Geometries