



Molecule-type workshop on

Black Hole

Information Loss Paradox



May 18-29, 2015

Participants

Sinya Aoki (YITP), Pisin Chen (LeCosPA), Antonio de Felice (YITP), Guillem Domenech (YITP), Joey Fedrow (YITP), Song He (YITP), Takashi Hiramatsu (YITP), Masahiro Hotta (Tohoku), Chunshan Lin (YITP), Shunji Matsuura (YITP), Shinji Mukohyama (YITP), Yasusada Nambu (Nagoya), Yen Chin Ong (Nordita), Don Page (Alberta), Misao Sasaki (YITP), Shigeki Sugimoto (YITP), Tadashi Takayanagi (YITP), Takahiro Tanaka (Kyoto), Anzhong Wang (Baylor), Yasuho Yamashita (YITP), Dong-han Yeom (LeCosPA).

Program

May 18-20: Presentations

Monday 5/18

- 09:30** Registration
- 09:50** Misao Sasaki: Welcome
- 09:55** Pisin Chen: Target of this workshop
- 10:00** Don Page: "Excluding Black Hole Firewalls with Extreme Cosmic Censorship"
- 11:15** *Coffee Break*
- 11:30** Round Table Discussion
- 12:45** *Lunch Break*
- 14:30** Anzhong Wang: "Black Holes and Thermodynamics in Gravitational Theories with Broken Lorentz Symmetry"
- 15:45** *Coffee Break*
- 16:00** Round Table Discussion
- 18:00** *Welcome Dinner*

Tuesday 5/19

- 10:00** Pisin Chen: "Black Hole Remnants and the Information Loss Paradox"
- 11:15** *Coffee Break*
- 11:30** Yen Chin Ong, "The Large Interiors of Black Holes"
- 12:45** *Lunch Break*
- 14:30** Dong-han Yeom, "Thin-Shell Dynamics and the Effective Loss of Information"

15:45 *Coffee Break*
16:00 Round Table Discussion

Wednesday 5/20

10:00 Shinji Mukohyama, "Quantum Entanglement and Black Hole Entropy"
11:15 *Coffee Break*
11:30 Yasusada Nambu, "Unruh Detector and Entanglement in BH Spacetime"
12:45 *Lunch Break*
14:30 Round Table Discussion
15:45 *Coffee Break*
16:00 Round Table Discussion

May 21-27: Breakout

Thursday 5/21

10:00 Masahiro Hotta: "Partner Particles for Hawking Radiation and BH Firewall"
11:15 *Coffee Break*
11:30 Breakout
12:45 *Lunch Break*
14:30 Breakout
15:45 *Coffee Break*
16:00 Progress Report and Round Table Discussion

Friday 5/22

10:00 Breakout
11:15 *Coffee Break*
11:30 Round Table Discussion
12:45 *Lunch Break*
14:30 Breakout

Monday 5/25

10:00 Takahiro Tanaka, "Hawking Radiation of Interacting Fields"
11:15 *Coffee Break*
11:30 Breakout
12:45 *Lunch Break*
15:00 *Coffee Break*
15:45 Progress Report and Round Table Discussion

Tuesday 5/26

- 10:00** Breakout
- 11:15** *Coffee Break*
- 11:30** Breakout
- 12:45** *Lunch Break*
- 14:30** Breakout
- 15:45** *Coffee Break*
- 16:00** Progress Report and Round Table Discussion

Wednesday 5/27

- 10:00** Breakout
- 11:15** *Coffee Break*
- 11:30** Breakout
- 12:45** *Lunch Break*
- 14:30** Breakout
- 15:45** *Coffee Break*
- 16:00** Progress Report and Round Table Discussion

May 28-29: Presentations

Thursday 5/28

- 10:00** Round Table Discussion of the draft paper(s)
- 11:15** *Coffee Break*
- 11:30** Round Table Discussion of the draft paper(s)
- 12:45** *Lunch Break*
- 14:30** Breakout Draft Revision
- 15:45** *Coffee Break*
- 16:00** Breakout Draft Revision
- 18:00** *Dinner*

Friday 5/29

- 10:00** Round Table Discussion of the draft paper(s)
- 11:15** *Coffee Break*
- 11:30** Conclusion
- 12:00** Workshop ends