

May 25, 2020 Koji Yamaguchi

1 GPPU Points and Credits

1. GSP:18
2. GASP:8
3. Overseas Visit: 94 days in total
4. Credits: I have completed the registration.

2 List of Publications

1. M. Hotta, J. Trevison, K. Yamaguchi, Physical Review D **94**, 083001 (2016).
2. M. Hotta, Y. Nambu, K. Yamaguchi, Physical review letters **120**, 181301 (2018).
3. J. Trevison, K. Yamaguchi, M. Hotta, Progress of Theoretical and Experimental Physics **2018**, 103A03 (2018).
4. J. Trevison, K. Yamaguchi, M. Hotta, Journal of Physics A: Mathematical and Theoretical **52**, 125402 (2019).
5. K. Yamaguchi, N. Watamura, M. Hotta, Physics Letters A **383**, 1255 (2019).
6. K. Yamaguchi, Journal of the Physical Society of Japan **88**, 064002 (2019).
7. T. Tomitsuka, K. Yamaguchi, M. Hotta, Physical Review D **101**, 024003 (2020).
8. M. Hotta, K. Yamaguchi, Physics Letters A **384**, 126078 (2020).
9. K. Yamaguchi, M. Hotta, accepted in Phys. Lett. A, DOI: 10.1016/j.physleta.2020.126447.
10. M. Hotta, A. Kempf, E. Martín-Martínez, T. Tomitsuka, K. Yamaguchi, Physical Review D **101**, 085017 (2020).
11. K. Yamaguchi, A. Ahmadzadegan, P. Simidzija, A. Kempf, E. Martín-Martínez, Physical Review D **101**, 105009 (2020).
12. R. Katsube, M. Hotta, K. Yamaguchi, Journal of the Physical Society of Japan **89**, 054005 (2020).
13. 山口幸司、堀田昌寛、「最近の研究から：相関に記憶される情報と量子情報カプセル」、日本物理学会誌 Vol. 75, No.5, 284 (2020).

3 List of Titles of Presentations in International Conferences

1. “Entanglement beyond Page curves in black-hole evaporation qubit model”, Relativistic Quantum Information-North 2017, Kyoto, Japan, July 2017, poster.
2. “Theorems on Entanglement Typicality in Non-equilibrium Dynamics”, Relativistic Quantum Information-North 2018, Vienna, Austria, September 2018, poster.
3. “Soft-hair-enhanced entanglement beyond Page curves in a black-hole evaporation qubit model”, String-Math 2018, Sendai, Japan, June 2018, poster.
4. “Partners and quantum information capsule”, Future Perspective in Cosmology and Gravity, Nagoya, Japan, April 2019, oral.

5. “Partners and Quantum Information Capsule”, Relativistic Quantum Information-North 2019, Tainan, Taiwan, May 2019, oral.
6. “Quantum Information Capsule and Information Delocalization by Entanglement in Multiple-qubit Systems”, Quantum Information and String Theory 2019, Kyoto, Japan, June 2019, poster.
7. “Quantum information capsule and its application to information transmission”, Relativistic Quantum Information 13 Workshop (South), Brisbane, Australia, February 2020, oral.