

Workshop : Quantum liquids and graphene physics  
Feb. 16 (Thurs.), 2012,  
Rm. B107 (Proj. & Res. bldg. 総合研究棟B棟), Univ. Tsukuba

- 13:00-13:05 Y. Hatsugai (Univ.Tsukuba): Beginning
- 13:05-13:45 H. Aoki (Univ. Tokyo)  
"Graphene --- added degrees of freedom and nonequilibrium"
- 13:45-14:30 S. Tanabe (NTT Basic Research Lab.)  
"Electronic transport properties of monolayer and bilayer  
epitaxial graphene on SiC(0001)"
- 14:30-15:00 R. Shimano (Univ. Tokyo)  
"Terahertz magneto optics: a new route  
to study the AC Hall effect"
- 15:00-15:10 Tea & Coffee
- 15:10-15:50 Y. Avishai (Ben Gurion Univ.)  
"Kondo tunneling into a quantum spin Hall insulator"
- 15:50-16:30 T. Kawarabayashi (Toho Univ.)  
"Chiral symmetry and robustness of zero modes  
in graphene and related materials"
- 16:30-17:05 Y. Hatsugai (Univ.Tsukuba)  
"Short-range entanglement & topological phases"
- 17:05-17:10 break
- 17:10-17:30 T. Oka (Univ. Tokyo)  
"Photo-induced Quantum Hall Effect"
- 17:30-17:50 T. Morimoto (Univ. Tokyo)  
"Two parameter flow of longitudinal and Hall conductivities  
for graphene quantum Hall system in the ac regime"
- 17:50-18:10 I. Maruyama (Osaka Univ.)  
" $Z_2$  Berry phase in the spin ladder and two-dimensional  
orthogonal-dimer system"
- 18:10-18:30 Y. Hamamoto (Univ.Tsukuba)  
"Chiral symmetry and electron-electron interaction in graphene"