

2014年度 物理学科大輪講 第8回

日時：12月3日(水) 14時40分から

場所：中央棟 301 教室

時間：25分(発表20分、討論5分)

前半(14:40-15:55)

座長：高橋

1. 11-041-038 (渡邊研究室) 14:40-15:05
Relation between Self-Diffusion and Viscosity in Dense Liquids: New Experimental Results from Electrostatic Levitation
J. Brillo, A. I. Pommrich, and A. Meyer
PHYSICAL REVIEW LETTERS,107,165902 (2011)
2. 11-041-042 (渡邊研究室) 15:05-15:30
Aerodynamic levitator furnace for measuring thermophysical properties of refractory liquids
D. Langstaff, M. Gunn, G. N. Greaves, A. Marsing, and F. Kargl
REVIEW OF SCIENTIFIC INSTRUMENTS 84, 124901 (2013)
3. 11-041-002 (渡邊研究室) 15:30-15:55
Study on Chemical Reactivity Control of Sodium by Suspended Nanoparticles II
Kuniaki ARA Ken-ichiro SUGIYAMA, Hiroshi KITAGAWA, Masahiko NAGAI and Naoki YOSHIOKA
Journal of NUCLEAR SCIENCE and TECHNOLOGY, Vol. 47, p.1171 (2010)

後半 (16:05–17:45)

座長：渡邊

4. 11-041-003 (理論研究室) 16:05–16:30
A First Course in General Relativity
Bernard Schuts

5. 10-041-007 (理論研究室) 16:30–16:55
Motion in a Magnetic Field
L.D.Landau and E.M.Lifshitz
Quantum Mechanics(Non-relativistic Theory),(Pergamon Press,1977) ChapterXV,p.453

6. 10-041-035 (理論研究室) 16:55–17:20
Fluctuating Local Recrystallization of Quasi-Liquid Layer of Sub-Micrometer-scale Ice : A Molecular Dynamics Study
Yasuhiro Kajima, Shuji Ogata, Ryo Kobayashi, Miyabi Hiyama, Tomoyuki Tamaru
Journal of the Physical Society of Japan, vol.83, p.083601 (2014)

7. 11-041-060 (平野研究室) 17:20–17:45
Deterministic quantum teleportation of photonic quantum bits by a hybrid technique
Shuntaro Takeda, Takahiro Mizuta, Maria Fuwa, Peter van Loock and Akira Furusawa
Nature vol. 500, p. 315 (2013)