

2013年度 物理学科大輪講 第7回

日時：11月27日(水)14時40分から

場所：北1号館201教室

時間：25分(発表20分、討論5分)

前半(14:40-15:55)

座長：桂

1. 10-041-009 (渡邊研究室) 14:40-15:05
How Does Tetrahedral Structure Grow in Liquid Silicon upon Supercooling?
Tetsuya Morisita
PHYSICAL REVIEW LETTERS 97,165502(2006)
2. 10-041-026 (渡邊研究室) 15:05-15:30
The total hemispherical emissivity of copper
R. Smalley and A. J. Sievers
Journal of the Optical Society of America, vol. 68, p. 1516 (1978)
3. 10-041-036 (渡邊研究室) 15:30-15:55
Deriving thermophysical properties of liquid Nb by containerless electrostatic levitation
Y. S. Sung, H. Takeya, and K. Togano
JOURNAL OF APPLIED PHYSICS, VOLUME 92, NUMBER 11, P6530, 2002

後半 (16:05–17:45)

座長：渡邊

4. 10-041-053 (高橋研究室) 16:05–16:30
Suppression of electronic susceptibility in metal-Mott-insulator alternating material (Me-3,5-DIP)[Ni(dmit)₂]₂ observed using ¹³C NMR
S.Fujiyama,A.Shitade,K.Kanoda,Y.Kosaka,H.M.Yamamoto,and R.Kato
PHYSICAL REVIEW B , vol.77 , 060403(R) (2008)

5. 09-041-045 (高橋研究室) 16:30–16:55
Superconductivity in an Organic Insulator at Very High Magnetic Fields
L. Balicas, J. S. Brooks, K. Storr, S. Uji, M. Tokumoto, H. Tanaka, H. Kobayashi, A. Kobayashi, V. Barzykin, and L. P. Gor'kov
PHYSICAL REVIEW LETTERS, vol.87, p.067002-1 (2001)

6. 09-041-053 (理論研究室) 16:55–17:20
Single-Configuration Calculations on Excited States of Helium
E. R. Davidson
The Journal of Chemical Physics, Vol. 41, p. 656 (1964)
Single-Configuration Calculations on Excited States of Helium. II
E. R. Davidson
The Journal of Chemical Physics, Vol. 42, p. 4199 (1965)

7. 09-041-038 (西坂研究室) 17:20–17:45
Cooperative Retraction of Bundled Type IV Pili Enables Nanonewton Force Generation
Biais N,Ladoux B,Higashi D,So M and Sheetz M
PLoS Biology, vol. 6, p.e87 (2008)