

2016年度 物理学科大輪講 第3回

日時：11月2日(水)14時40分から

場所：南2号館200教室

時間：25分(発表20分、討論5分)

前半(14:40-16:20)

座長：井田

1. 13-041-002 (荒川研究室) 14:40-15:05
Fast Nuclear Spin Conversion in Water Clusters and Ices : A Matrix Isolation Study
Russell Sliter, Melissa Gish, and Andrey F.Vilesov
J. Phys. Chem. A 115, (2011) 9682-9688
2. 13-041-024 (荒川研究室) 15:05-15:30
FIRST ADSORBED LAYER OF HELIUM AT 4.2 °K
J.P.HOBSON
Canadian Journal of Physics, vol.37 (1959)300
3. 13-041-051 (高橋研究室) 15:30-15:55
Spin-triplet superconductivity in Sr_2RuO_4 identified by ^{17}O Knight shift
K.Isida, H.Mukuda, Y.Kitaoka, K.Asayama, Z.Q.Mao, Y.Mori Y.Maeno
Nature, VOL 396,p.658 (1998)
4. 13-041-020 (渡邊研究室) 15:55-16:20
Single-Crystal Nanorings Formed by Epitaxial Self-Coiling of Polar Nanobelts
Xiang Yang Kong , Yong Ding , Rusen Yang , Zhong Lin Wang
SCIENCE, vol. 303, p.1348 (2004)

後半 (16:30–17:55)

座長：平野

5. 13-041-032 (渡邊研究室) 16:30–16:55
MINORITY CARRIER MIS TUNNEL DIODES AND THEIR APPLICATION
TO ELECTRON- AND PHOTO-VOLTAIC ENERGY CONVERSION
-I. THEORY
M. A. Green, F. D. King, J. Shewchun
Solid-State Electronics, vol.17, p.551 (1974)

6. 13-041-015 (理論研究室) 16:55–17:30
Simple sampling Monte Carlo methods
David P. Landau & Kurt Binder
A Guide to Monte Carlo Simulations in Statistical Physics, Cambridge University
Press; 4 edition (December 15, 2014), Chapter 3, p.48-67

7. 13-041-021 (理論研究室) 17:30–17:55
Roles of surface/volume diffusion in the growth kinetics of elementary spiral steps
on ice basal faces grown from water vapor
Harutoshi Asakawa, Gen Sazaki, Etsuro Yokoyama, Ken Nagashima, Shunichi
Nakatsubo, Yoshinori Furukawa
Crystal Growth & Design, 14 (7), pp 3210, 2014