

2016年度 物理学科大輪講 第6回

日時：11月23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：渡邊

1. 13-041-038 (荒川研究室) 14:40-15:05
Low-energy electron diffraction study of Xe adsorption on the ten-fold decagonal Al-Ni-Co quasicrystal surface
N. Ferralis, R. D. Diehl, K. Pussi, M. Lindroos, I. Fisher and C. J. Jenks.
PHYSICAL REVIEW B 69(2004) 075410.
2. 13-041-070 (荒川研究室) 15:05-15:30
Physisorption of Nitrogen on 304 Stainless Steel at Very Low Pressures
M. Troy and J. P. Wightman
Journal of Vacuum Science & Technology 7, 429 (1970)
3. 12-041-027 (高橋研究室) 15:30-15:55
Variety of valence bond states formed of frustrated spins on triangular lattices based on a two-level system Pd(dmit)₂
Masafumi Tamura and Reizo Kato
Sci. Technol. Adv. Mater. 10 (2009) 024304 (12pp)
4. 13-041-022 (平野研究室) 15:55-16:20
Long-distance continuous-variable quantum key distribution by controlling excess noise
Duan Huang, Peng Huang, Dakai Lin and Guihua Zeng
scientific Reports 6, 19201 (2016)

後半 (16:30-17:45)

座長：高橋

5. 13-041-042 (渡邊研究室) 16:30-16:55

Oscillation of liquid drops under gravity: Influence of shape on the resonance frequency

M. Perez, Y. Brechet, L. Salvo, M. Papoular and M. Suery

EUROPHYSICS LETTERS, 47(2), p.189 (1999)

6. 13-041-045 (理論研究室) 16:55-17:20

Interface dynamics and crystal phase switching in GaAs nanowire

Daniel Jacobson, Federico Panciera, Jerry Tersoff, Mark C. Reuter, Sebastian Lehmann, Stephan Hofmann, Kimberly A. Dick Frances M. Ross.

nature 531, 317-322 (2016).

7. 13-041-053 (理論研究室) 17:20-17:45

Time Machine

Barrett O'Neill

The Geometry of Kerr Black Holes (A K Peters, LTD, 1995) Chapter 2