

2014年度 物理学科大輪講 第3回

日時：10月29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(14:40-16:20)

座長：井田

1. 11-041-013 (荒川研究室) 14:40-15:05
The Condensation of H_2 and D_2 : Astrophysics and Vacuum Technology
T. J. Lee
Journal of Vacuum Science and Technology Vol.9, 257 (1972)
2. 11-041-005 (西坂研究室) 15:05-15:30
①Stretching Actin Filaments within Cells Enhances their Affinity for the Myosin II Motor Domain
Taro Q. P. Uyeda, Yoshiaki Iwadate, Nobuhisa Umeki, Akira Nagasaki, Shigehiko Yumura
PLOS One, Volum6, e26200, October 2011
②Imaging Three-Dimensional Single Molecule Orientations
Andrew P. Bartko and Robert M. Dickson
American Chemical Society, Volum103, 11237-11241, 1999
3. 11-041-052 (平野研究室) 15:30-15:55
Maintenance-free operation of WDM quantum key distribution system through a field fiber over 30 days
Ken-ichiro Yoshino, Takao Ochi, Mikio Fujiwara, Masahide Sasaki, Akio Tajima
Optics Express, Vol.21, No.25, 031395 (2013)
4. 11-041-046 (平野研究室) 15:55-16:20
Quantum Phase Transitions and Continuous Observation of Spinor Dynamics in an Antiferromagnetic Condensate
Y. Liu, S. Jung, S.E. Maxwell, L.D. Turner, E. Tiesinga, and P.D. Lett
Physical Review Letters, vol. 102, 125301 (2009)

後半 (16:30-17:20)

座長 : 荒川

5. 11-041-030 (理論研究室) 16:30-16:55

A Rigorous Proof of the Landauer-Büttiker Formula

Horia D. Cornean, Arne Jensen, and Valeriu Moldoveanu

Journal of Mathematical Physics, 46, 042106 (2005)

6. 11-041-045 (理論研究室) 16:55-17:20

Antiferromagnetic long-range order in the anisotropic quantum spin chain

J.Kurmann, H.Thomas ,and G.Mueller

Physica,vol.112A,p.235(1982)