

2013年度 物理学科大輪講 第2回

日時：10月23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：井田

1. 10-041-014 (田中研究室) 14:40-15:05
Infrared Perfect Absorber and Its Application As Plasmonic Sensor
Na Liu, Martin Mesch, Thomas Weiss, Mario Hentschel, and Harald Giessen
Nano Letters, vol.10, p.2342, (2010)
2. 10-041-029 (田中研究室) 15:05-15:30
Plasmonic absorption enhancement in organic solar cells with thin active layers
Honghui Shen, Peter Bienstman and Bjorn Maes
J. Appl. Phys. 106, 073109 (2009)
3. 10-041-046 (田中研究室) 15:30-15:55
Magnetic assembly of colloidal superstructures with multipole symmetry
Randall M. Erb, Hui S. Son, Bappaditya Samanta, Vincent M. Rotello and Benjamin B. Yellen
Nature, vol. 457, p. 999-1002 (2009)

後半 (16:05–17:20)

座長：渡邊

4. 10-041-020 (理論研究室) 16:05–16:30
Maximal Extension of Schwarzschild Metric
M.D.Kruskal
Physical Review, vol. 119, p. 1743 (1960)

5. 10-041-034 (高橋研究室) 16:30–16:55
Quantum spin liquid in the spin-1/2 triangular antiferromagnet $\text{EtMe}_3\text{Sb}[\text{Pd}(\text{dmit})_2]_2$
T. Itou, A. Oyamada, S. Maegawa, M. Tamura, and R. Kato
Phys. Rev. B, vol. 77, p. 104413 (2008)

6. 10-041-010 (荒川研究室) 16:55–17:20
Nuclear spin conversion of H_2O trapped in solid xenon at 4.2 K: A new assignment of ν_2 rovibrational lines
L. Abouaf-Marguin, A.-M. Vasserot, C. Pardanaud, X. Michaut
Chemical Physics Letters, vol. 480, p. 82 (2009)

7. 10-041-031 (荒川研究室) 17:20–17:45
Nuclear spin conversion of methane in solid parahydrogen
Y. Miyamoto, M. Fushitani, D. Ando, and T. Momose
The Journal of Chemical Physics, vol. 128, 114502 (2008)