

2015年度 物理学科大輪講 第2回

日時：10月21日(水)13時30分から

場所：南3号館301教室

時間：25分(発表20分、討論5分)

前半(13:30-15:10)

座長：田崎

1. 12-041-072 (田中研究室) 13:30-13:55
Redox Multiphoton Polymerization for 3D Nanofabrication
Elmina Kabouraki,Argyro N. Giakoumaki,Paulius Danilevicius,David Gray,Maria Vamvakaki,and Maria Farsari
Nano Letter ,2013, 13, 3831 - 3835
2. 10-041-013 (田中研究室) 13:55-14:20
Low-Loss Multilayered Metamaterial Exhibiting a Negative Index of Refraction at VisibleWavelengths
Carlos García-Meca, Juan Hurtado, Javier Martí, Alejandro Martínez, Wayne Dickson, and Anatoly V. Zayats
PHYSICAL REVIEW LETTERS、 volume 106、 067402、 (2011)
3. 10-041-039 (田中研究室) 14:20-14:45
Silver Nanowires as Surface Plasmon Resonators
R.Krenn
PHYSICAL REVIEW LETTERS, vol. 95, p. 257403 (2005)
4. 12-041-010 (平野研究室) 14:45-15:10
A generator for unique quantum random numbers based on vacuum states
Christian Gabriel, Christoffer Wittmann, Denis Sych, Ruifang Dong, Wolfgang Mauerer, Ulrik L. Andersen, Christoph Marquardt and Gerd Leuchs
Nature Photonics, vol. 4, p. 711 (2010)

後半 (15:20–16:35)

座長：西坂

5. 12-041-055 (平野研究室) 15:20–15:45
Quantum random number generation on a mobile phone
Bruno Sanguinetti
Phys. Rev. X4, 031056 (2014)

6. 12-041-024 (理論研究室) 15:45–16:10
Topological Criticality in the Chiral-Symmetric AIII Class at Strong Disorder
Ian Mondragon-Shem, Taylor L. Hughes, Juntao Song and Emil Prodan
Physical Review Letters, Vol. 113, p. 046802 (2014)

7. 12-041-030 (理論研究室) 16:10–16:35
Monte Carlo Methods
Steven E. Koonin and Dawn C. Meredith
Computational Physics, (Addison-Wesley, 1990) Chapter 8, p. 210