

## 2016年度 物理学科大輪講 第7回

日時：11月30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(14:20-15:55)

座長：平野

1. 12-041-064 (高橋研究室) 14:40-15:05  
Charge ordering in a quasi-two-dimensional organic conductor  
K.Miyagawa, A.Kawamoto, and K.Kanoda  
Physical review B62, R7679, (2000)
2. 13-041-005 (平野研究室) 15:05-15:30  
Continuous operation of high bit rate quantum key distribution  
A. R. Dixon, Z. L. Yuan, J. F. Dynes, A. W. Sharpe, and A. J. Shields  
Applied Physics Letters, vol. 96, 161102 (2010)
3. 13-041-019 (渡邊研究室) 15:30-15:55  
THERMODYNAMIC STUDY OF ADSORPTION IN LIQUID METAL-OXYGEN SYSTEMS  
E. RICCI, A. PASSERONE and J.C.JOUD  
Surface Science 206 (1988) 533-553

後半 ( 16:05–17:20 )

座長：田崎

4. 13-041-073 ( 渡邊研究室 ) 16:05–16:30

Interfacial Tension Theory of Low and High Molecular Weight Liquid Mixtures  
Claudia I. Poser and Isaac C. Sanchez

Macromolecules, Vol. 14 No. 2, p.361 (1981)

5. 13-041-071 ( 理論研究室 ) 16:30–16:55

Quantization of the real scalar field and structure of Fock space

N.D.BIRRELL and P.C.W.DAVIES

Quantum fields in curved space (Cambridge University Press 1982) Chapter 2,p.10

6. 11-041-043 ( 理論研究室 ) 16:55–17:20

The detection of gravitational waves

B. Schutz

A First Course in General Relativity(Cambridge University Press, 2009) Chapter  
9 ,p.220