

OKAYAMA UNIVERSITY

2006

The International Symposium
for Young Researchers



自然科学研究科 先端基礎科学専攻

国際若手シンポジウム 2006

日時：2006年12月11日（月）

会場：岡山大学理学部コラボレーション棟 4F 共同研究室

10:00~10:05 *Opening talk* Prof. Harada

10:05~10:50 *Lecture*

Prof. Neil Cowie (Foreign Language Education Center, Okayama University)

“What kind of knowledge can we learn from graduate and post-graduate study?”

11:00~11:50 *Particle and Cosmic Physics*

Motoyasu Ikeda “Search for supernova neutrinos at Super-Kamiokande”

Atsushi Fukumi “LENNON experiment using a high quality laser”

11:50~13:00 *Launch*

13:00~13:30 *Lecture*

Prof. Michael von Ortenberg (Humboldt University)

“Semiconductor in strong magnetic fields”

13:40~14:30 *Low Temperature Physics*

Kazuaki Matano “NMR and NQR Studies of the pairing Symmetry in the Superconducting state of $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$ ”

Hisashi Kotegawa “Anomalous heavy fermion state remarkable under pressure in skutterudite compound $\text{SmOs}_4\text{Sb}_{12}$ ”

14:30~14:50 *Synchrotron Radiation*

Kenichiro Yamamoto “Structural Studies of Topological Crystals by Synchrotron Radiation Diffraction”

15:00~16:00 *Theory*

Masahiro Takahashi “Vortex Structure of Fermi Superfluids with Population Imbalance”

Masataka Oko “Entanglement of the ground state in one-dimensional quantum spin systems”

Hiroshi Miyazaki “Field-Induced Phase Transitions of the Anisotropic Haldane Compound, NDMAP”