

# 12<sup>th</sup> RAP Seminar

The 12th Seminar on RIKEN Center for Advanced Photonics

Language: Japanese

Date : May 16(Fri), 2014, 16:00 ~ 17:00

Location : **Cooperation Center, 3F, W319, Wako Campus, RIKEN**  
(理研 和光キャンパス 研究交流棟3階会議室 W319)

Title : **Physics at RIKEN Nishina Center,  
and Advanced Photonics**

仁科センターの物理研究と光量子工学

Speaker : **Dr. Hideto EN'YO**

(Director of RIKEN Nishina Center for Accelerator-Based Science (RNC))

**延與 秀人**

(理研 仁科加速器研究センター・センター長)

RIKEN Nishina Center is operating three facilities at RIKEN Wako, Brookhaven National Laboratory and Rutherford Appleton Laboratory. At Brookhaven we study Quark Gluon Plasma, the state of Universe just after the Big Bang, and how the nucleon, the very first element, is formed by using the first polarized proton and heavy-ion collider RHIC. At Wako, we study how all the elements were created in the Universe using the world-most powerful heavy-ion beam delivered from RIBF. At Rutherford, we use muons, still comparably powerful as JPARC, to elucidate magnetic structure of condensed matter and to study fundamental physics for which muons have a special merit.

Recent topical research outputs from Nishina Center are introduced, with special emphasis on the relation with laser technology. Since both Nishina Center and the Centers for Advanced Photonics are working with quantum beam, the author would like to take this opportunity to expand mutual collaboration between the two.



Contact: RAP Secretariat (ext.8532)  
連絡先 : 光量子工学研究領域事務局 (8532)