

基盤(S)「直流電場・電流:強相関電子系の新しい制御パラメータ」(H29-H33 年度)

NESS2018 (Kyoto) Non-Equilibrium Steady States in Correlated Materials

Time : 2018 年 7 月 6 日 (金) 13:30 - 7 日 (土) 17:00 July 6th 13:30 - 7th 17:00

Place : 京都大学 理学研究科 5 号館 525 号室

Kyoto Univ. Grad. School of Science, 5th Building, Room 525

**July 6 (Fri), 2018**

- 13:30-13:40 Yoshiteru Maeno (Kyoto Univ.) Introduction to Kiban S project  
13:40-14:20 Chanchal Sow (Kyoto Univ.) Anisotropy in the diamagnetism of  $\text{Ca}_2\text{RuO}_4$   
14:20-14:50 Naoki Kikugawa (NIMS) Insulating states of Ti-doped  $\text{Ca}_3\text{Ru}_2\text{O}_7$   
14:50-15:10 Ryo Numasaki (Kyoto Univ.) Diamagnetism of Ti-doped  $\text{Ca}_3\text{Ru}_2\text{O}_7$   
15:10-15:50 Teppei Yoshida (Kyoto Univ.) HAXPES of  $\text{Ca}_2\text{RuO}_4$  and  $\text{Ca}_3\text{Ru}_2\text{O}_7$   
15:50-16:20 *Break*  
16:20-16:40 Kousuke Nakayama (Tohoku Univ.) ARPES of  $\text{Ca}_2\text{RuO}_4$  under current  
16:40-17:10 Fumihiko Nakamura (Kurume Inst. Tech.) Oxygen-controlled  $\text{Ca}_2\text{RuO}_4$   
17:10-17:30 Shingo Yonezawa (Kyoto Univ.) Thermal imaging of  $\text{Ca}_2\text{RuO}_4$   
17:30-18:00 Ichiro Terasaki (Nagoya Univ.) Nonlinear conductivity in  $\text{Ca}_2\text{RuO}_4$   
18:15- *Information Exchange / Dinner*

**July 7 (Sat), 2018**

- 9:30-10:10 Takashi Oka (MPI-PCS, Dresden) Theory on diamagnetism in  $\text{Ca}_2\text{RuO}_4$ : overview  
10:10-10:30 Sota Kitamura (MPI-PCS, Dresden) Theory on diamagnetism in  $\text{Ca}_2\text{RuO}_4$ : details  
10:30-11:00 *Break*  
11:00-11:40 Mengkun Liu (Stony Brook Univ.) Infrared spectroscopy of  $\text{Ca}_2\text{RuO}_4$ : overview  
11:40-12:00 Jiawei Zhang (Stony Brook Univ.) Infrared spectroscopy of  $\text{Ca}_2\text{RuO}_4$ : details  
12:00-12:30 Ryuji Okazaki (Sci. Univ. Tokyo) Seebeck effect in  $\text{Ca}_2\text{RuO}_4$  under current  
12:30-14:00 *Lunch*

\* Presentation time includes 10-min discussion time

[Kiban-S Business meeting (Project members)]

- 14:00-15:00 Upcoming workshops and collaborations  
15:00-17:00 Preliminary efforts (with *Coffee Break*)  
17:00 Closing