



ETH-Amsterdam-Kyoto mini-workshop
on multipole physics and ultrafast dynamics

Oct. 20, Kyoto University, Department of Physics, Bld. No. 5, Room No. 525

9:30–9:35 Youichi Yanase
“Opening”

Multipole Physics

9:35–9:55 Hikaru Watanabe (Kyoto)

“Magnetic hexadecapole order and magnetopiezoelectric metal state in hole-doped BaMn_2As_2 ”

9:55–10:15 Shuntaro Sumita (Kyoto)

“Superconductivity in higher-order magnetic multipole states of Sr_2IrO_4 ”

10:15–10:45 Florian Thole (ETH Zurich)

“Magnetolectric multipoles : Connecting microscopic and macroscopic definitions”

10:45–11:00 Break

Ultrafast dynamics and Nonequilibrium phenomena

11:00–11:30 Koichiro Tanaka (Kyoto)

“TBA”

11:30–12:00 Dominik Juraschek (ETH Zurich)

“Dynamical Multiferroicity”

12:00–12:20 Kazuaki Takasan (Kyoto)

“Ultrafast Control of Strongly Correlated Electron Systems”

12:20–12:40 Chanchal Sow (Kyoto)

“Current induced giant diamagnetism in Ca_2RuO_4 ”

12:40-13:30 Lunch

Spintronics

13:30-13:50 Robert Peters (Kyoto)

“Magnetoelectric effect in heavy fermion materials”

13:50-14:20 Motoi Kimata (Tohoku)

“Spin Hall effect in a chiral antiferromagnet”

14:20-14:50 Takahiro Moriyama (Kyoto)

“Spin torque in antiferromagnets”

14:50-15:05 Break

Superconductivity1

15:05-15:35 Anne de Visser (Amsterdam)

“Nematic superconductivity in topological materials”

15:35-15:55 Akito Daido (Kyoto)

“Topological glide superconductivity in UCoGe”

15:55-16:15 Masahiro Manago (Kyoto)

“Magnetic fluctuations and superconductivity of a ferromagnetic superconductor UCoGe under pressure”

16:15-16:30 Break

Superconductivity2

16:30-17:00 Kenji Ishida (Kyoto)

“NMR/NQR studies on heavy-fermion superlattices”

17:00-17:30 Yuji Matsuda (Kyoto)

“TBA”

17:30-17:35 Kenji Ishida

“Closing”

18:30- Dinner (天寅)