

## J-Physics Topical Meeting: Exotic Phenomena in Itinerant Multipole Systems

Monday, December 18 <sup>th</sup> , 2017				
Start	End	Presenter	Affiliation	Title
9:00	9:05	Satoru Nakatsuji	ISSP	Opening
9:05	9:45	Kazumasa Hattori	Tokyo Metropolitan University	Effects of magnetic fields in ferro-quadrupole orders
9:45	10:25	Masashi Takigawa	ISSP	NMR Studies of Quadrupole Order in PrTi <sub>2</sub> Al <sub>20</sub> (and Dynamics in Pr <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> , if time permits)
10:25	10:40	Coffee break		
10:40	11:20	Taku J. Sato	Tohoku University	Neutron scattering study on the quadrupolar order in the PrTM <sub>2</sub> Al <sub>20</sub> (TM = Ti and V) compounds
11:20	12:00	Yoshiki Nakanishi	Iwate University	Ultrasonic studies of the Pr-based caged compound PrV <sub>2</sub> Al <sub>20</sub>
12:00	13:00	Lunch		
13:00	14:30	Yong Baek Kim	University of Toronto	[Quantum material seminar] Spin Liquid and Multipolar Ordering in Kitaev and Kondo Materials
14:30	15:10	Yasuyuki Shimura	Hiroshima University	Giant anisotropic magnetoresistance due to purely orbital rearrangement in PrV <sub>2</sub> Al <sub>20</sub>
15:10	15:30	Coffee break		
15:30	16:10	Akito Sakai	ISSP	Specific heat study of multipole ordered phases in PrV <sub>2</sub> Al <sub>20</sub>
16:10	16:50	Yasuhiro Nagaoka	ISSP	Thermal expansion and magnetostriction studies of multipole order in PrT <sub>2</sub> Al <sub>20</sub> (T = Ti, V)
16:50	17:30	Kazuyuki Matsubayashi	Univ. of Electro-Communications	Pressure tuning of quadrupole order, superconductivity and non-Fermi liquid behavior in PrT <sub>2</sub> Al <sub>20</sub> (T = Ti, V)
18:30		Conference Dinner @Comesta		