



## Neutron Scattering on Unconventional Superconductors

October 25, 2013, Friday, M234, IOP

**Morning Session**

Chair: Prof. Pengcheng Dai

09:00- 09:05	Zhongxian Zhao	Institute of Physics, Beijing	Welcome Speech
09:05- 09:15	Xing-Jiang Zhou	Institute of Physics, Beijing	Brief Introduction to National Lab for Superconductivity and the Symposium
09:15- 10:05	John M. Tranquada	Brookhaven, USA	Intertwining of Superconductivity with Antiferromagnetism in Cuprates
10:05 - 10:30 Break & group photo			
10:30 - 11:20	Kazuyoshi Yamada	Tsukuba, Japan	Magnetic excitations in high-Tc superconductors and antiferromagnetic metals
11:20 - 12:10	Martin Greven	Minnesota, USA	Neutron scattering study of the model cuprate superconductor $\text{HgBa}_2\text{CuO}_{4+\delta}$
12:10 - 14:00 Lunch			
<b>Afternoon Session</b>			
Chair: Prof. Kazuyoshi Yamada			
14:00 -14:50	Alan Goldman	Ames, USA	Magnetic order and magnetic fluctuations in the (122) iron- and cobalt-arsenides
14:50 -15:40	Yuan Li	Beijing, China	Evidence for itinerant-electron contribution to magnetism in $\text{BaFe}_2\text{As}_2$ revealed by spin-polarized neutron scattering
15:40 -16:00 Break			
16:00 -16:50	Markus Braden	Köln, Germany	Polarized neutron-scattering studies on the unconventional superconductors $\text{Sr}_2\text{RuO}_4$ and doped $\text{BaFe}_2\text{As}_2$
16:50 -17:40	Wei Bao	Beijing, China	Vacancy orders, magnetic structure and excitations in the 245 Fe-based superconductors
18:00 - Dinner			

October 26, 2013, Saturday, M234, IOP

**Morning Session**

Chair: Prof. Wei Bao

09:00 -09:50	Christopher Stock	Edinburgh, UK	Soft incommensurate spin density wave fluctuations in $\text{Fe}_{1+x}\text{Te}$
09:50 -10:40	Jinsheng Wen	Nanjing, China	Magnetic excitations in Cu-doped Fe-based superconductor $\text{Fe}_{0.98}\text{Te}_{0.5}\text{Se}_{0.5}$
10:40 -11:00 Break			
11:00 -11:50	Pengcheng Dai	Beijing, China	Spin Excitation Anisotropy as a Probe of Orbital Ordering in Iron Pnictides
12:00 -14:00 Lunch			
<b>Afternoon Session</b>			
Chair: Prof. Martin Greven			
14:00 -14:50	Bernhard Keimer	Stuttgart, Germany	High-resolution neutron scattering and its application to superconductors
14:50 -15:40	Dongfeng Chen	Beijing, China	Neutron science facilities at the China advanced research reactor
15:40 -16:00 Break			
16:00 -16:50	Fangwei Wang	Beijing, China	Status of China Spallation Neutron Source and perspectives of neutron research in novel superconductors
16:50 -17:10		Summary & Closing remarks	
18:00 - Dinner			