Sunday, October 7			
6:00 - 8:00pm		Welcome Reception	
Monday, October 8			
8:00 - 8:45am	Registration		
8:45 - 9:00am		Welcome Remarks	
Session 1 - Unifying Themes (Chair: Zhuan Xu)			
9:00 - 9:30am	Silke Paschen	New frontiers in heavy fermion quantum criticality	
9:30 - 10:00am	Gabriel Aeppli		
10:00 - 10:30am	Fuchun Zhang	Majorana zero modes in some of superconducting topological systems	
10:30 - 11am		Tea Break	
Session 2 - Spin Liquid Physics (Chair: Shiyan Li)			
11:00 – 11:30am	Rajiv Singh	The quest for quantum spin-liquid phases of matter	
11:30 – 12noon	Jinsheng Wen	Exotic Spin Excitations of Quantum Magnets	
12noon – 2:00pm		Lunch + Poster	
	acold Atoms (Chair: Gentaro Watanabe)		
2:00 – 2:30pm	Han Pu	Strongly interacting quantum spinor gases in one dimension	
2:30 – 3:00pm	Qijin Chen	Ultra high temperature superfluidity in atomic Fermi gases using mixed dimensionality	
3:00 – 3:30pm	Wei Yi	Emergent topological phenomena in non-unitary quench dynamics	
3:30 - 4:00pm		Tea Break	
	conductivity and Co	orrelations (Chair: Guanghan Cao)	
4:00 – 4:30pm	Pengcheng Dai	Local orthorhombic lattice distortions in the paramagnetic tetragonal phase of superconducting NaFe1-xNixAs	
4:30 – 5:00pm	Rong Yu	Orbital selectivity and nematicity in iron selenide	
5:00 – 5:30pm	Xingjiang Zhou	Laser-ARPES on Orbital Origin of Extremely Anisotropic Superconducting Gap in Nematic Phase of FeSe Superconductor	
5:30 – 6:00pm	Yuan Li	Spin-orbit coupling and "preferred" magnetic excitations in iron- based superconductors	
Tuesday, October 9			
Session 5 - Topology and Correlations (Chair: Hae-Young Kee)			
8:45 - 9:15am	Xiongjun Liu	Quench the Haldane-Hubbard model	
9:15 - 9:45am	Hsin-Hua Lai	Weyl-Kondo Semimetal in Heavy-Fermion Systems	
9:45 – 10:15pm	Huiqiu Yuan	Topological Kondo semimetals	
10:15 - 10:45am		Tea Break	
Session 6 - Quant	tum Criticality and S	Superconductivity (Chair: Hilbert von Lohneysen)	
10:45 – 11:15am	Frank Steglich	On the quantum critical paradigm in antiferromagnetic heavy fermions	
11:15 - 11:45am	Qimiao Si	Kondo destruction, quantum criticality and superconductivity	
11:45 – 12:15pm	Lei Shu	Renormalizations in unconventional superconducting states of Ce1- xYbxCoIn5	
12:15 – 1:30pm		Lunch	
Session 7 - Heavy	Fermion STM/ARI	PES Symposium (Chair: Stefan Kirchner)	
1:30 – 2:00pm	Qiuyun Chen	Electronic structure study of the heavy-fermion compound CeRhIn5 and its parent compound CeIn3	
2:00 – 2:30pm	Pegor Aynajian	Visualizing the emergence of heavy fermions in f-electron materials using scanning tunneling spectroscopy	
2:30 – 3:00pm		Tea Break	
3:00 – 3:30pm	Yuji Matsuda	In situ STM observation of the electronic structure in Ce115 thin films grown by MBE	

3:30 – 4:00pm	Steffen Wirth	Kondo lattice formation and non-Fermi liquid excitations in the	
		heavy-fermion metal YbRh2Si2	
4:00 - 4:45 pm	Symposium discussion		
6:30pm		Banquet	
Wednesday, October 10			
Session 8 - New Quantum Frontier (Chair: Yi Yin)			
8:45 – 9:15am	Rui-Rui Du	Topological Excitonic Insulator	
9:15 – 9:45am	Hae-Young Kee	Kitaev spin liquids and nearby phases in honeycomb materials	
9:45 – 10:15am	Xiangang Wan	Efficient Topological Materials Discovery Using Symmetry	
		Indicators	
10:15 - 10:45am	Tea Break		
Session 9 – Heavy Fermion Systems (Chair: Frank Steglich)			
10:45 – 11:15am	Shiyong Tan	ARPES and STM/STS studies on typical uranium based heavy	
		electron materials	
11:15 – 11:45am	Yang Liu	Probing the band topology and correlation effect in CeBi and	
		related systems	
11:45 – 12:15pm	Hisamoto Harima	The hybrid multipole ordering indicated in URu2Si2	
12:15 - 1:30pm	Lunch		
Session 10 - Quantum Criticality and Strange Metals (Chair: Rajiv Singh)			
		Multidimensional entropy landscape of quantum criticality	
2:00 – 2:30pm	Nigel Hussey	Anomalous Hall number in the strange metal phase of overdoped	
		cuprates	
2:30 - 3:00pm	Tea break		
Session 11 - Quantum Magnetism and Correlated Electrons (Chair: Qimiao Si)			
3:00 – 3:30pm	Alois Loidl	Optical and thermodynamic evidence of fractionalized excitations	
		in the Kitaev spin-liquid candidate α -RuCl ₃	
3:30 – 4:00pm	Tao Xiang	Finite-temperature charge dynamics and the melting of the Mott	
		insulator	
4:00 - 4:30pm	Qingming Zhang	Quantum spin-frustrated compound YbMgGaO4	
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