

CTS - COST Workshop on
Non-centrosymmetric Superconductors
Program

ETH-Zürich, May 30 - 31, 2008

Friday, May 30	HPZ E9
8:45 - 8:55	Opening
8:55 - 9:25	N. Kimura <i>Superconducting properties of CeRhSi₃ in the basal plane</i>
9:25 - 9:55	K.V. Samokhin <i>Magnetic properties of non-centrosymmetric superconductors</i>
9:55 - 10:25	coffee break
10:25 - 10:55	Y. Onuki <i>Split Fermi surface Properties of LaTGe₃ (T: transition metal) and huge upper critical field in CeIrSi₃</i>
10:55 - 11:25	H. Mukuda <i>NMR studies of novel superconducting states of heavy fermion compounds CeIrSi₃ and CePt₃Si without inversion symmetry</i>
11:25 - 12:00	Discussion
Lunch	
14:00 - 14:30	M. Eschrig <i>Andreev bound states and spin currents near a surface</i>
14:30 - 15:00	N. Hayashi <i>Josephson effect between conventional and Rashba superconductors</i>
15:00 - 15:30	Y. Tanaka <i>Recent topics in non-centrosymmetric superconductors</i>
15:30 - 16:00	coffee break
16:00 - 16:30	A. Caviglia <i>Electric Field Control of the LaAlO₃/SrTiO₃ Interface Ground State</i>
16:30 - 17:00	I. Bonalde <i>Impurity phases, stoichiometry, second anomalies and broad superconducting transition in non-centrosymmetric CePt₃Si</i>
17:00 - 17:45	Discussion

Saturday, May 31 HPZ E9	
8:45 - 9:15	S. Yip <i>Novel properties of non-centrosymmetric superconductors</i>
9:15 - 9:45	S. Fujimoto <i>Two topics on vortex states of non-centrosymmetric superconductors: Microscopic calculations of upper critical fields of $CeRhSi_3$ and $CeIrSi_3$, and non-abelian statistics of vortices</i>
9:45 - 10:15	coffee break
10:15 - 10:45	A.C. Mota <i>Anomalous vortex dynamics in non-centrosymmetric $CePt_3Si$ and Li_2Pt_3B</i>
10:45 - 11:15	C. Iniotakis <i>Surface effects in non-centrosymmetric superconductors: from Andreev bound states to fractional flux quanta</i>
11:15 - 12:00	Discussion
Lunch	
13:30 - 14:00	Y. Yanase <i>Magnetism and superconductivity in heavy fermion superconductors: $CePt_3Si$ and $CeCoIn_5$</i>
14:00 - 14:30	V.P. Mineev <i>Nonuniform interband pairing in non-centrosymmetric superconductors</i>
14:30 - 15:00	coffee break
15:00 - 15:30	D.F. Agterberg <i>Magnetic field induced helical and FFLO-like phases in non-centrosymmetric superconductors and novel superconductivity in Li_2Pt_3B</i>
15:30 - 16:00	R. Khasanov <i>Muon spin rotation study of the ternary non-centrosymmetric superconductors $Li_2Pd_xPt_{3-x}B$</i>
16:00 - 17:00	Discussion & Closing