

S. Mahyad Aghigh

University of British Columbia

Title:

Anisotropy Study of Microwave Electrodynamics in Tl-2201

Abstract:

The microwave surface resistance, and the magnetic penetration depth of a Tl-2201 single crystal ($T_c=43$ K) have been precisely measured using a broadband bolometric technique, and a loop-gap resonator respectively. Disentangling the in- and out-of-plane components of the two quantities was accomplished by comparing the measurement results obtained for two different orientations of the sample with respect to the applied magnetic field. The results, and their reliability, current limitations, as well as further potential progress are presented...

Host/Year	Last Name	First Name	Email Address	University	Supervisor	Questions [W] you be attending the welcome	Questions [W] you be participating in the	Questions [W] you be attending the Summer	Questions [W] you be attending the group	Questions [W] you be presenting a	Questions [W] you be presenting a	Questions [W] you be presenting the CFAR	requirements (e.g. stipends)	accommodations (if it will be at the hotel. Please indicate the name of your preferred)	gender so we can assign rooms	your planned arrival date if different than	your planned departure date	Poster Title	Poster Abstract	
2-17-2014 19:58:11	Aghigh	S. Mehryad	smehyad@physics.ubc.ca	UBC	Daig Ronn	Yes	No	Yes	No	Yes	No	No	Yes		Male	4 ma	7 ma		The microscopic dynamics of a system of particles has been previously investigated using the framework of quantum hydrodynamics in the form of the Schrödinger equation. The emergence of spin-orbit coupled double parabolic bands, parabolic bands, and the emergence of quantum anomalous Hall insulators on the honeycomb lattice.	
19/02/2014 15:48:32Cancelled	Cook	Ashley	cooka@physics.utoronto.ca	University of Toronto	Arun Paramakanti	Yes	Yes	Yes	Yes	Yes	Yes	Yes	gluten free	Yes		Female		10 ma		Localized magnon excitations in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
2-24-2014 10:52:03	Armstrong	Nathan	nathan.armstrong@gmail.com	McMaster University	Tom Tenuak	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Tim Muskaric or Murray Wilson		Male		10 ma		Spin-orbit coupled double parabolic bands, parabolic bands, and the emergence of quantum anomalous Hall insulators on the honeycomb lattice.
2-25-2014 8:41:41	Hallas	Alannah	ahallas@mcmaster.ca	McMaster University	Graeme Luke	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Female		10 ma		Spin-orbit coupled double parabolic bands, parabolic bands, and the emergence of quantum anomalous Hall insulators on the honeycomb lattice.
2-25-2014 8:41:53	Wilson	Murray	murray@mcmmaster.ca	McMaster University	Graeme Luke	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Armstrong, Nathan		Male		10 ma		Spin-orbit coupled double parabolic bands, parabolic bands, and the emergence of quantum anomalous Hall insulators on the honeycomb lattice.
2-27-2014 12:52:12	Schaller	Nubert	schaller@physics.utoronto.ca	University of Toronto	Yang Baek Kim	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Vanakaraman Vijay		Male		10 ma		Spin-orbit coupled double parabolic bands, parabolic bands, and the emergence of quantum anomalous Hall insulators on the honeycomb lattice.
2-28-2014 8:04:42	Ashby	Philip	ashby@mcmmaster.ca	McMaster University	Alex Carbotta	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male	4 ma	10 ma		Localized magnon excitations in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
28/02/2014 08:04:42 Cancelled at all times	Lu	Di	diu@stanford.edu	Stanford University	Harold Y. Hwang	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase Transition in Strain Released (100-2D) InP. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-6-2014 21:43:27	Chen	Sedigh	sgchen@physics.mcmaster.ca	McMaster	Catherine Kallin	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male	4 ma	10 ma		Localized magnon excitations in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-9-2014 13:27:35	Noid	Hilary	hnoid@stanford.edu	Stanford University	Kathryn Moler	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Female		10 ma		Localized magnon excitations in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-10-2014 15:11:09	Hickey	Clarin	hickey@physics.utoronto.ca	University of Toronto	Arun Paramakanti	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Localized magnon excitations in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
11/03/2014 05:13:39	Rennett	Benjamin	ben@roosevelt.edu	Roosevelt University	Andrew Mills	Yes	No	Yes	No	Yes	No	No	vegetarian	Yes		Female		7 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-11-2014 13:29:28	Gerasimov	Chris	gerasimov@physics.utoronto.ca	University of Toronto	John Wei	Yes	No	Yes	No	Yes	No	No				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-11-2014 17:35:54	Watson	Christopher	chris@stanford.edu	Stanford University	Kathryn Moler	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male	4 ma	5-7-2014 TBD		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-12-2014 11:19:02	Litbow	Calum	clitbow@stanford.edu	University of St. Andrews	Andrew Huxley	Yes	Yes	Yes	Yes	Yes	Yes	Yes	None	Yes	McClern, Duncan	Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-12-2014 14:59:23	Sabatia	Derek	dsabatia@utoronto.ca	Simon Fraser University	J. Steven Dudge	Yes	No	Yes	No	Yes	No	No				Male		7 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-12-2014 18:51:50	Huang	Wan	huangw26@mcmaster.ca	McMaster University	Catherine Kallin	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N			Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-13-2014 13:21:17	Clark	Lucy	clark10@mcmaster.ca	McMaster University	Bruce Guzin	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Female		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
18/03/2014 18:18:56	retracted	Petrusev	Alexander	Yale University and Ecole Polytechnique	Katrin Le Hur	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-14-2014 14:36:07	Chy	Alexandre	alex@utoronto.ca	University of Toronto	Michel Gingras	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
10-41-42	Walters	John	john@utoronto.ca	University of Toronto	John Wei	Yes	No	Yes	No	Yes	No	No				Male		7 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-17-2014 19:23:54	Brian	Kim	kbrian02@stanford.edu	Stanford University	Prof. Harold Hwang	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
17/03/2014 19:28:41	Rennett	Vijay Shankar	vshankar@physics.utoronto.ca	University of Toronto	Prof. Fei-Yang Kee	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Vegetarian	Yes	Schaller, Robert	Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-18-2014 11:47:03	Ronczal	Connor	conronczal@gmail.com	University of Maryland	Johanna Pfundtner	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-18-2014 20:48:52	Chiu	Chih-Kai	chiu@physics.ubc.ca	University of British Columbia	Marcin Franc	Yes	Yes	Yes	Yes	Yes	Yes	Yes	I don't eat pork.		Tianyu Liu	Male	3 ma	11 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-19-2014 19:59:22	Grissonaniche	Geoff	ggrissonaniche@ubertoronto.ca	University of Toronto	Louis Taillefer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Good food :)		More Bohr than Heide	Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-20-2014 9:23:40	S. Anomov	Claudio	claudio.anomov@univ-lyon1.fr	Nagoya University	Masaaki Sato	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		11 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-20-2014 3:45:56	Takahama	Rina	takahama@cuphys.kyoto-u.ac.jp	Kyoto University	Satoshi Fujimoto	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Female		11 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-20-2014 11:13:30	Eckberg	Chris	ceckberg@umd.edu	University of Maryland	Johanna Pfundtner	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-21-2014 7:46:30	Yanai	Yuuki	yghwan.ym@gn.ac.kr	Kyoto University	Masao Yoshitani	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		11 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-22-2014 2:16:39	Shibata	Daisuke	dshibata@cuphys.kyoto-u.ac.jp	Kyoto University	Masao Yoshitani	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		11 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-22-2014 6:12:04	Li	Zhou	zli@usaberts.ca	McMaster University	J.P. Carbotto	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-23-2014 23:46:23	Chi	Shun	shun@physics.ubc.ca	University of British Columbia	Walker Henty	Yes	Yes	Yes	Yes	Yes	Yes	Yes	gluten free	Yes		Male	4 ma	10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-27-2014 15:14:56	Komjari	Yashar	komjari@phas.ubc.ca	Univ. of British Columbia	Ben Affleck	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
3-28-2014 12:04:06	Saway	Lucia	luciasaway@physics.utoronto.ca	University of Toronto	Leon Balents	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Female		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
4-3-2014 18:17:09	Tomaz	Levita	tomaz@physics.utoronto.ca	University of Toronto	Jeff Sauer	Yes	Yes	Yes	Yes	Yes	Yes	Yes				Male		10 ma		Phase competition in a honeycomb lattice. We will discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion. We will also discuss the consequences of the presence of a spin-orbit interaction on the magnon dispersion.
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4-3-2014 23:46:23	Chi	Shun	shun@physics.ubc.ca	University of British Columbia	Walker Henty	Yes	Yes													

