S. Mahyad Aghigh

University of British Columbia

Title:

Anisotropy Study of Microwave Electrodynamics in TI-2201

Abstract:

The microwave surface resistance, and the magnetic penetration depth of a TI-2201 single crystal (Tc=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...

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Horodateur	Last Name	First Name	Email Address	University	Supervisor	attending the welcome	participating in the	questions [Wil you be attending the Summer	attending the group	be presenting a	be presenting a	attend the CIFAR	allergies,	so 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	departure date	Poster Title Anisotropy Study of	Poster Abstra
2-17-2014 19:58:51	Aghigh	S. Mahyad	smaghigh @physics .ubc.ca	ивс	Doug Born	Yes	No	Yes	No	Yes	No	No		Yes		Male	'4 mai	7 mai	Anisotropy Study of Microwave Electrodynamics in 1 2201	
																			Electrodynamics in 1 2201 Spin-othit coupled double perovskite bilayers: Tuning magnetism, Cu2 Chem bands, and quantum anomalous Hall inautistors on the honeycomb lattice	Spectacular percvskite is correlated el percvskites i
19/02/2014			cooka@physics.uto	University of															magnetism, Cs2 Chem bands, and quantum anomalous Hall insulators on the	femimagnetic the magnetic quantum and this emerger
19/02/2014 15:48:53Cancelled 2-24-2014 10:52:03	Armatrong	Ashley Nathan	cooka@physics.uto ronto.ca mr.nathan.amatron g@gmail.com hallasa@mcmaster	McMaster University McMaster	Arun Paramekanti Tom Timusk	Yes	Yes Yes	Yes Yes	Yes Yes	Yes	Yes	Yes	gluten free		Tim Munsie or Murray Wilson			'10 mai '10 mai	honeycomb lattice	interactions.
2-25-2014 8:41:41 2-25-2014 8:41:53		Alannah Murray	-ca wilsormn@mcmast er.ca	University McMaster University	Graeme Luke Graeme Luke	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes		Yes Yes	Amstrong, Nathan	Ferrale Male		'10 mai '10 mai		
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																				and is neces with fermioni projective systems. We
2-27-2014 12:52:12		Robert	schaffer@physics.u toronto.cs ashbype@mcmast er.cs	University of Toronto McMaster	Yong Baek Kim	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Venkataraman Vijay	Male		'10 mai	Spin-orbital liquids in non-Kramers magnet on Kagome lattice	Localized ma even number consequence and is neces with termioni- projective sy systems. We Kramers spin scattering es may serve as
2-28-2014 8:04:42	Ashby	Philip	er.ca	University	Jules Carbotte	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male	'4 mai	'10 mai		
																				grown on trac We success SrTIO3 subst elastic scatte
																				Hall-doped m bulk propertie grown on frac We successf SrTIO3 subst elastic scatte from franspor bulk [3] or (1 These results on rigid subst
28/02/2014 08:04:42 Cannot																			Phase Transition in Strain Relaxed (100) Oriented	Relevences: - [1] M. Nakan [2] W. Prellin
28/02/2014 08:04:42 Cannot attend at all : retract registration	Lu	D	dilu@stanlord.edu	Stanlord University	Harold Y. Hwang	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		'10 mai	Phase Transition in Strain Released (100) Oriented Natio SSino SMr033 Th Films RG Analystis on a Neck-Nenrowing LithPitz Transition in the Presence of Wess Short-Range Interactions in Two Dimensiona	[4] V. Phila in [3] C. H. Che [4] Y. Wakab
																			Neck-Narrowing Litshitz Transition in the Presence of Wea Short-Range	uk
3-6-2014 21:43:27	Ghamari	Sedigh	sghamari@physics. mcmaster.ca	McMaster	Catherine Kallin	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male	'4 mai	'10 mai	Interactions in Two Dimensions Stripes of enhanced	
3-9-2014 13:27:35	Nond	Hilary	hnoad@stanford.ed u hickeyc@physics.u toronto.ca	Stanford University	Kathryn Moler	Yes	Yes	Yes	Yes	Yes	Yes	Yez		Yes		Female		'10 mai	Stripes of enhanced transition temperatur in superconducting strontium titanate	
3-10-2014 15:11:09	Hickey	Clarán	toronto.ca	Toronto	Arun Paramekanti	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		'10 mai		
11/03/2014 08:11:39 Retract			beth nowadnick@c olumbia.edu																Phase competition in the Hubbard-Holatein	simulate the allows the no phonon intera and charge d
registration	Nowadnick	Beth	olumbia.edu	Columbia Universit	y Andrew Millis	Yes	No	Yes	No	Yes	No	No	vegetarian	Yes		Ferrale		7 mai	model	reasons norm correlated ele- simulate the allows the no- phonon intern and charge d insulating phy Topological is materials is t process that polarization of
																			Point-Contact Andres	process that polarization o cryomagnetic ev analyze our s dependent be
		L.	granstro@physics. utoronto.ca	University of			L												Point-Contact Andree Reflection Spectroscopy of Biamuth- Chalcogenide	[1] B. Nadgo Francia, New
3-11-2014 13:29:28		Christopher	granstro@physics. utoronto.cs cwatson2@stanlord .edu	Toronto Stanford University	John Wei Kathryn Moler	Yes	No Yes	Yes Yes	No Yes	Yes	No Yes	No Yes		Yes		Male Male	14 mai	'10 mai 5-7-20	Topological Insulator	TBD The coevision
																				TBD The coexiste mechanism, the ferromage is as yet unk point where a pressure, to a
																			Hall Effect	pressure, to a
3-12-2014 11:19:02	Lithgow	Calum	cl203@st- andrews.ac.uk	University of St Andrews	Andrew Huxley	Yes	Yes	Yes	Yes	Yes	Yes	Yez	None	Yes	McCann, Duncan	Male		'10 mai	Hall Effect Measurements on Ferromagnetic Superconductor UGe	Hall effect an field adds to point and ufti 2 ordinary and Topological in materials is t process that
																			Point-Contact Andres Reflection	materials is t process that ev polarization o cryomagnetic
3-12-2014 14:59:23	Sahot=	Denvir	dashota@stu.ca	Simon Fraser University	J. Steven Dodge	Yes	No	Yes	No	Yes	No	No		Yes		Male		7 mai	Point-Contact Andrea Reflection Spectroscopy of Biamuth- Chalcogenide Topological Insulator Non-topological Insulator Non-topological Insulator Non-topological Insulator Non-topological Insulator Superfluids	analyze our s dependent be Magnetism (1 s (2011)
		and the second the second the second the second the second the second term is a second to the second term is a second term is	dsahota@stu.ca huangw26@mcmas ter.ca	McMaster	College Code				_	Vas	-					Mala		10.000	Non-topological natu of the edge current of chiral p-wave	s (2011) re f I will tell you recent results
3-12-2014 18:51:50	Huang	Wen	ter.ca	University	Catherine Kallin	Yes	Yes	Yes	Yes	Yes	Yes	Yez	N	Yes		Male		'10 mai	superfluids	The phenome has a geome
																			Spin Frontestore -	such as the i temperature i strong magne
3-13-2014 13:21:17	Clark	Lucy	clarki10@mcmaste r.ca	McMaster University	Bruce Gaulin	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Hallas, Allanah	Fernale		'10 mai	Spin Frustration in Lu2Mo2O7 and Lu2Mo2O5N2 Pyrochiones	The phenome has a geome such as the is temperature a strong major liquid ground obtained from neutron acatil apperiments. We study the ground state theory, strong conductivity, breaking. The experiments.
				Yale University and	1															we study the ground state theory, strong conductivity.
13/03/2014 19:16:56 retracted	Petrescu	Alexandru	tudor.petrescu@yal e.edu	Ecole Polytechnique	Karyn Le Hur	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		'10 mai	Bose-Hubbard Haldane Model	breaking. The experiments. Quantum and
																				Quantum spi fractionalized successfully spin-liquid ph signatures. A description of
3-14-2014 14:36:02 17/03/2014 10:41:42 Waitlated	Day	Alexandre	a4day @uwaterioo.c a jake.wells @mail.ut oronto.ca	Waterloo University of	Michel Gingras	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Dion, Maxime	Male		'10 mai	Quantum spin-liquid phases of quantum spin-ice	description of materials \$YI
10:41:42 Waitlisted	Wells	Jako	oronto.ca	Toronto	John Wel	Yes	No	Yes	No	Yes	No	No		Yes		Male		7 mai		Here we pres
																			Depletion-Mode Epitaxial American	Here we press series of devi- LaAIO3 (001) was deposite (001) substra- behavior was a result, the is noam temper- exotic transp We examine configuration within the 12g calculations is
3-17-2014 19:23:54	Brian	Kim	bkim0825@stanford .edu	Stanford University	Prof. Harold Hwan;	Yes	Yes	Yes	Yes	Yes	No	Yes		Yes	Merz, Tyler	Male		'10 mai	Depletion-Mode Epitaxial Anatase TiQ2 Metal- Semiconductor Field Effect Transistor	a result, the e room tempers
																				well examine configuration within the 12g calculations of
17/03/2014 19:29:41 Retract registration	Verkataraman	Vijay Sharikar	vavenkat@physics. utoronto.cs	University of Toronto	Prof. Hae-Young Kee	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Vegetarian	Yes	Schaffer, Robert	Male		10 mai	\alpha RuCl3 - Spin orbit assisted Mott Insulator on the honeycomb lattice	calculations of ray absorption the presence that o-RuCI3 for this comp
																				The supercor an orthorhom the structural tetragonal/ort
3-18-2014 11:47:03	Browniak	Courses	contoncaloli @gmail com	University of	Interiores Partico	. Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		10 mai	Thermal Treatment and the Collapse Transition in Sn-Bux grown CaFe2As2	the structura tetragonal/ort investigate th growth condit and magnetia
J-18-6014 11:47:03		Confide		any safid	Jerre Paglion	- / 88					- 100	100						. ro mili	spom: Care2As2	It is generally Here we dear
				University of British	,														Majorana fermion exchange in strictly one dimensional	It is generally Here we desc dimensional t a m domain w zero mode as tuning of para statistics, ho
3-18-2014 20:48:52 3-19-2014 19:59:22		Ching-Kai Gael	chiu7@phas.ubc.ca gael.grissonnanche @usherbrooke.ca	Columbia Université de Sherbrooke	Marcel Franz Louis Taillefer	Yes	Yes Yes	Yes Yes	Yes	Yes	Yes	Yes	I don't eat pork. Good food :)	Yes	Tanyu Liu More Bohr than Niels	Male Male	3 mai	'11 mai '10 mai	structures	Survey and
																			Thermal Hall effect in underdoped cuprates Numerical braiding of Majorana Fermions o finite size nanowins Electrodynamics in Skymnions Marging	fault-tolerant equip quantu investigate th
3-20-2014 3:23:40	5. Amorim	Cansio	caasio.amorim@h. mbox.nagoya- u.ac.jp	Nagoya University	Masatoshi Sato	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		'11 mai	Majorana Fermiona o finite size nanowires	in a recent st
																				when the sky the merging p conduction el a skyrmions-
			takashima (kacoh																Electrodynamics in	to the exchan symmetry, w which is diss of SOC. In two
3-20-2014 3:45:56 3-20-2014 11:13:30		Rina Chris	takashima@scphys .kyoto-u.sc.jp eckbergc@umd.ed u	Kyoto university University of Maryland	Satoshi Fujimoto Johnpierre Paglion	e Yes	Yes Yes	Yes	Yes Yes	Yes Yes	Yes	Yes Yes		Yes Yes		Fernale Male		'11 mai '10 mai	Skymions Merging	
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																				However for 5 amount of flu We call this I
																				Observation o Oscillations i Little-Parks o We want to
																			Search for Half- Quantum-Fluxoid	We want to n We made sm under magne We observed We are going Sr2RuO4 is a
3-21-2014 7:45:30	Yanui	Yuuki	gshae.of.m.m@gm all.com	Kyoto University	Maeno Yoshiteru	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Shibata Dalauke	Male		'11 mai	Quantum-Fluxoid States in a Micro-Rin of Sr2RuO4	We are going Sr2RuO4 is a with the total
			d.shibata@scphys.																AC susceptibility of Sr2RuO4 under various field-thermal treatments	sizecute is a with the total multiple supe in oriented m susceptibility field and belo substantial th
3-22-2014 2:16:39 3-22-2014 6:12:04		Dalauke Zhou	kyoto-u.ac.jp	Kyoto University McMaster University	Maeno Yoshiteru J. P. Carbotte	Yes	Yas Yas	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes		Yes Yes	Yasul, Yuki	Male Male		'11 mai '10 mai	treatments	_
																				Majorana fermic Jiktaev, Phys. U Pton Div 1
																				Majorana fermio Jičnev, Phys. U Prog. Phys. 75, spin-orbit intera (2019), Lanchyr effectively p-w reflection at low Recert observe as the discover interactions in th
																				Recent observa as the discover interactions in th
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3-27-2014 15:14:56	Komijani	Yashar	komijani@phas.ubc .ca	Univ. of British Columbia	lan Affleck	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes		Male		'10 mai	in singe channel normal and topological superconductor junctions	this QCP in a si field gradient w We use numeri of such QCP m
																				Magnetic flu - quantum cr of diverse ma
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			Isswary Sphysics.u	University of California, Santa			L												A New Type of Quantum Criticality is the Pyrochlore	Magnetic flu - quantum cr of diverse ma type of quan combination calde pyroch techniques, , excitations a a strong emer exponents. ( realistic exa
3-28-2014 12:04:06 3-31-2014 16:17:09 4-1-2014 23:46:23		Lucle Carlos Shun	csb.edu cmg5@stu.cs shun@phas.ubc.cs	Barbara Simon Fraser University of British Columbia	Leon Balents Jeff Sonier Walter Hardy	Yes Yes Yes	Yes Yes	Yes Yes Yes	Yes Yes	Yes Yes Yes	Yes No Yes	Yes Yes Yes	lactose free	Yes Yes		Ferrale Male Male	14 mai	10 mai 10 mai 10 mai	Iridates	
																				The Femi-Hu but numerica 'sign problem explicitly via lattice with a similar to acc occupation n quantum pha
																			Imaging Quantum Phase Transitions in	lattice with a similar to act occupation n
				University of			L.	L.			L.		1							