

International School/Workshop

Anyon Physics of Ultracold Atomic Gases

Technische Universität Kaiserslautern (Germany), December 12 – 15, 2014

Friday, December 12

9:00-10:00	Andrij Rovenchak (Lviv, Ukraine): Fractional statistics: A retrospective view
10:00-10:15	<i>Discussion</i>
10:15-10:45	Coffee Break
10:45-11:45	Stéphane Ouvry (Paris, France): Anyons and lowest Landau level anyons - Part I
11:45-12:00	<i>Discussion</i>
12:00-14:00	Lunch
14:00-15:00	Andrij Rovenchak (Lviv, Ukraine): Two-parameter fractional statistics models for anyons
15:00-15:15	<i>Discussion</i>
15:15-15:45	Coffee Break
15:45-16:45	Stéphane Ouvry (Paris, France): Anyons and lowest Landau level anyons - Part II
16:45-17:00	<i>Discussion</i>

Saturday, December 13

9:00-10:00	Jelena Klinovaja (Basel, Switzerland): Exotic bound states in low dimensions – Majorana fermions and parafermions - Part I
10:00-10:15	<i>Discussion</i>
10:15-10:45	Coffee Break
10:45-11:45	Matteo Rizzi (Mainz, Germany): Majorana fermions, Pfaffian states and Ising anyons - Part I
11:45-12:00	<i>Discussion</i>
12:00-14:00	Lunch
14:00-15:00	Jelena Klinovaja (Basel, Switzerland): Exotic bound states in low dimensions – Majorana fermions and parafermions - Part II
15:00-15:15	<i>Discussion</i>
15:15-15:45	Coffee Break

International School/Workshop

Anyon Physics of Ultracold Atomic Gases

Technische Universität Kaiserslautern (Germany), December 12 – 15, 2014

15:45-16:45	Matteo Rizzi (Mainz, Germany): Majorana fermions, Pfaffian states and Ising anyons - Part II
16:45-17:00	<i>Discussion</i>

Sunday, December 14

9:00-10:00	Erez Berg (Rehovot, Israel): Anyonic defects: A new paradigm for non-Abelian statistics - Part I
10:00-10:15	<i>Discussion</i>
10:15-10:45	Coffee Break
10:45-11:45	Edina Szirmai (Budapest, Hungary): Stability of time-reversal symmetry breaking spin liquid states in high-spin fermionic systems – Part I
11:45-12:00	<i>Discussion</i>
12:00-14:00	Lunch
14:00-15:00	Erez Berg (Rehovot, Israel): Anyonic defects: A new paradigm for non-Abelian statistics - Part II
15:00-15:15	<i>Discussion</i>
15:15-19:00	Excursion Sightseeing walk including Christmas market
19:00	Dinner at restaurant “twenty-one” www.21-lounge.de

Monday, December 15

9:00-10:00	Edina Szirmai (Budapest, Hungary): Stability of time-reversal symmetry breaking spin liquid states in high-spin fermionic systems – Part II
10:00-10:15	<i>Discussion</i>
10:15-10:45	Coffee Break
10:45-11:45	Vanderlei Bagnato (Sao Carlos, Brazil): Global thermodynamic variables for a trapped Bose gas
11:45-12:00	<i>Discussion</i>
12:00-14:00	Lunch

International School/Workshop

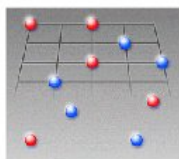
Anyon Physics of Ultracold Atomic Gases

Technische Universität Kaiserslautern (Germany), December 12 – 15, 2014

14:00-14:35	Fabian Grusdt (Kaiserslautern, Germany): Measuring many-body topological invariants using polarons
14:35-14:45	<i>Discussion</i>
14:45-15:05	Fabian Letscher (Kaiserslautern, Germany): Growing Laughlin states in a lattice
15:05-15:15	<i>Discussion</i>
15:15-15:45	Coffee Break
15:45-16:20	Bakhodir Abdullaev (Tashkent, Uzbekistan): Anyon bosonized 2D fermions or a single bosons physics of cuprates – experimental evidences
16:20-16:30	<i>Discussion</i>
16:30-16:50	Shakhnoza Kanokova (Tashkent, Uzbekistan): Static and dynamic properties of 2D ultracold anyonic gas with contact interaction in harmonic trap
16:50-17:00	<i>Discussion</i>



VolkswagenStiftung



SFB/Transregio 49

Frankfurt – Kaiserslautern - Mainz

Condensed matter systems with variable many-body interactions



International School/Workshop

Anyon Physics of Ultracold Atomic Gases

Technische Universität Kaiserslautern (Germany), December 12 – 15, 2014

Useful information

Homepage:

<http://www-user.physik.uni-kl.de/axel.pelster/Anyon2/index.html>

WLAN:

SSID "TU-KL_guest"

Username: anyons

Password: gainoyeeja

Valid till: 2014-12-15 23:59

Nearby restaurants:

- Cafeteria "Atrium" and free flow buffet at TU Kaiserslautern (Bldg. 30)
<http://www.studierendenwerk-kaiserslautern.de/kaiserslautern/essen-und-trinken/tu-kaiserslautern>
- UNIQUE, Paul-Ehrlich-Straße 27, phone 0049 (0) 0631 41464991
<http://unique-kl.de>
- Restaurant Sommerhaus, Pfaffenbergstrasse 114 , phone 0049 (0)631 / 25566
<http://www.restaurant-sommerhaus.com>
- Pizzeria Da Michele, Davenportplatz 13, phone 0049 (0)6 31- 1 29 26

Conference phone:

0049 (0)1791056074

Organizers:

- Axel Pelster, Technische Universität Kaiserslautern, Germany
- Bakhodir Abdullaev, National University of Uzbekistan, Uzbekistan