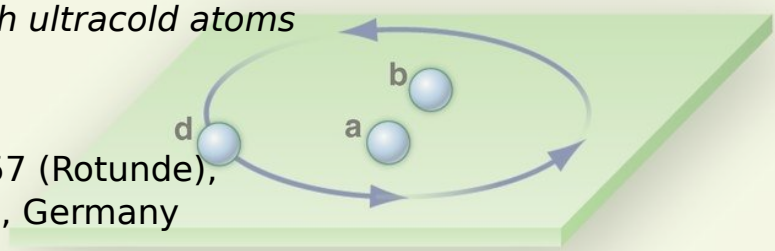
International School/Workshop
Anyon Physics of Ultracold Atomic Gases

Lectures:

Mikhail Baranov (Innsbruck, Austria):
Introduction to the physics of anyons
with Majorana fermions as an example
Sebastian Greschner (Geneva, Switzerland):
Floquet engineering and groundstate properties
of 1D anyon models in ultracold atomic lattice gases
Anne Nielsen (Dresden, Germany):
Fractional quantum Hall models in lattices
Size, shape and braiding statistics of anyons
Belén Paredes (Munich, Germany):
Anyons and topological order
Boson-lattice construction for anyon models
Thore Posske (Hamburg, Germany):
Anyon models in 2D and 1D - a short introduction
Many-particle theory of anyons in 1D
Philipp Preiss (Heidelberg, Germany):
Simulating anyonic statistics in few-body dynamics
Christoph Weitenberg (Hamburg, Germany):
Prospects for engineering anyons with ultracold atoms



Location:

Erwin Schrödinger Straße, Gebäude 57 (Rotunde),
Technische Universität Kaiserslautern, Germany

Date:

December 10 - 14, 2018

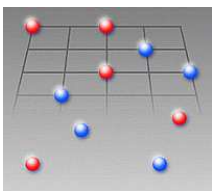
Further information:

http://www-user.rhrk.uni-kl.de/~apelster/Anyon3/index.html

Scientific organizers:

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

VolkswagenStiftung



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