

Research Project

Clean Zigzag and Armchair Graphene Nanoribbons

Third-party funded project

Project title Clean Zigzag and Armchair Graphene Nanoribbons

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Organisation / Research unit

Departement Physik / Experimentalphysik Quantenphysik (Zumbühl)

Department

Project start 01.01.2015

Probable end 31.12.2018

Status Completed

In the envisioned experiments, we will develop new fabrication techniques aimed at creating ultra-clean graphene

nanoribbons with high-quality zigzag or armchair edge termination. We will perform low-noise electronic transport

measurement at low temperatures in magnetic fields in order to investigate novel quantum states of matter

such as graphene ballistic 1D modes, edge antiferromagnetism, helical states and Majorana fermions.

Financed by

Other sources

Add publication

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Specify cooperation partners