

Legend

Experiments in Aachen

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| M1 | Raster-/Magnetkraftmikroskop (2 EI) | M7 | Mass spectrometry |
| M2 | Quantum transport | M8 | Pseudo-MOSFET (2 ED) |
| M3 | Superconductivity and SQU | M9 | Hong-Ou-Mandel |
| M4 | Photoluminescenc | M10 | Coulomb blockade in Si quantum dots |
| M5 | Ultrasound (2 ED) | M11 | NMR Spectroscopy |
| M6 | High frequency measurement techniques | M12 | Fabrication of ultra-small quantum dot |

Laboratory experiments in Aachen:

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| L1 | Scanning tunneling microscope | L10 | Measurement and tuning of a single electron transistor |
| L2 | Stacking of 2D materials in glove box environment | L12 | Single electron shuttling in Si/SiGe |
| L4 | Fabrication of twisted bilayer graphene and Raman | L13 | Digital twin of a small scale quantum processor |
| L5 | Hyperspectral imaging of excited excitonic states in 2D semiconductors | L14 | Optical measurement of an electrostatic exciton trap |

Experiments in Research Center Jülich

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| J4 | Quantum transport in semiconductor nanostructures |
| J6 | Redox based non-volatile memory devices |
| J10 | Atomatically thin semiconductors |
| J11 | X-ray diffraction of semiconductor heterostrucures |
| J13 | Hybrid semiconductor nanowires |
| J14 | Preparation of functional oxide multilayers |
| J15 | Tranmission electron microscopy |
| J16 | Spectro-microscopy with low-energy electrons |
| J17 | Scanning probe microscopy with single molecules |