

# Video: Table-top quantum Hall system successfully demonstrated

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Together with Royal Holloway, Oxford Instruments, Chalmers University of Technology and Linköping University, a team has shown it is possible to perform quantum Hall resistance measurements with parts-per-billion accuracy using a simple cryogen-free system.

Operating the system requires little experimental knowledge or laboratory infrastructure, meaning it could greatly improve access to primary quantum standards and increase the accuracy of electrical measurements.

JT Janssen, lead author of the study, explained the results in a [recent article in Nanotechweb](#).

Provided by National Physical Laboratory

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