

Experimental investigations of dipole-dipole interactions between a few Rydberg atoms

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Reference:

J. Phys. B 49, 152001 (2016)

URL:

<http://iopscience.iop.org/article/10.1088/0953-4075/49/15/152001> [2]

This review summarizes experimental works performed over the last decade by several groups on the manipulation of a few individual interacting Rydberg atoms. These studies establish arrays of single Rydberg atoms as a promising platform for quantum-state engineering, with potential applications to quantum metrology, quantum simulation and quantum information.

- [12.10.+i Simulations of many-body interactions](#) [3]
- [H2020](#) [4]
- [Quantum Engineering](#) [5]
- [RySQ](#) [6]
- [Result](#) [7]
- [Quantum Simulation](#) [8]
- [15.10.Ry Rydberg atoms](#) [9]

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[6] <http://qurope.eu/category/projects/rysq>

[7] <http://qurope.eu/category/attribute/result>

[8] <http://qurope.eu/category/virtual-institute/quantum-simulation>

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