

# Publications for Stephen Bartlett

## 2018

Frembs, M., Roberts, S., Bartlett, S. (2018). Contextuality as a resource for measurement-based quantum computation beyond qubits. *New Journal of Physics*, 20(10), 1-16. <a href="http://dx.doi.org/10.1088/1367-2630/aae3ad">[More Information]</a>

Harvey, S., Bittel, C., Orona, L., Bartlett, S., Doherty, A., Yacoby, A. (2018). Coupling two spin qubits with a high-impedance resonator. *Physical Review B*, 97(23), 235409-1-235409-10. <a href="http://dx.doi.org/10.1103/PhysRevB.97.235409">[More Information]</a>

Webster, P., Bartlett, S. (2018). Locality-preserving logical operators in topological stabilizer codes. *Physical Review A*, 97(1), 012330-1-012330-21. <a href="http://dx.doi.org/10.1103/PhysRevA.97.012330">[More Information]</a>

Saadatmand, S., Bartlett, S., McCulloch, I. (2018). Phase diagram of the quantum Ising model with long-range interactions on an infinite-cylinder triangular lattice. *Physical Review B*, 97(15), 155116-1-155116-14. <a href="http://dx.doi.org/10.1103/PhysRevB.97.155116">[More Information]</a>

Bartlett, S., Brennen, G., Miyake, A. (2018). Robust symmetry-protected metrology with the Haldane phase. *Quantum Science and Technology*, 3(1), 1-7. <a href="http://dx.doi.org/10.1088/2058-9565/aa9c56">[More Information]</a>

Malinowski, F., Martins, F., Smith, T., Bartlett, S., Doherty, A., Nissen, P., Fallahi, S., Gardner, G., Manfra, M., Marcus, C., et al (2018). Spin of a Multielectron Quantum Dot and Its Interaction with a Neighboring Electron. *Physical Review X*, 8(1), 011045-1-011045-23. <a href="http://dx.doi.org/10.1103/PhysRevX.8.011045">[More Information]</a>

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Roberts, S., Yoshida, B., Kubica, A., Bartlett, S. (2017). Symmetry-protected topological order at nonzero temperature. *Physical Review A*, 96(2), 022306-1-022306-24. <a href="http://dx.doi.org/10.1103/PhysRevA.96.022306">[More Information]</a>

Robertson, A., Granade, C., Bartlett, S., Flammia, S. (2017).

Tailored Codes for Small Quantum Memories. *Physical Review Applied*, 8(6), 1-6. <a href="http://dx.doi.org/10.1103/PhysRevApplied.8.064004">[More Information]</a>

Bridgeman, J., Bartlett, S., Doherty, A. (2017). Tensor networks with a twist: Anyon-permuting domain walls and defects in projected entangled pair states. *Physical Review B*, 96(24), 245122-1-245122-14. <a href="http://dx.doi.org/10.1103/PhysRevB.96.245122">[More Information]</a>

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