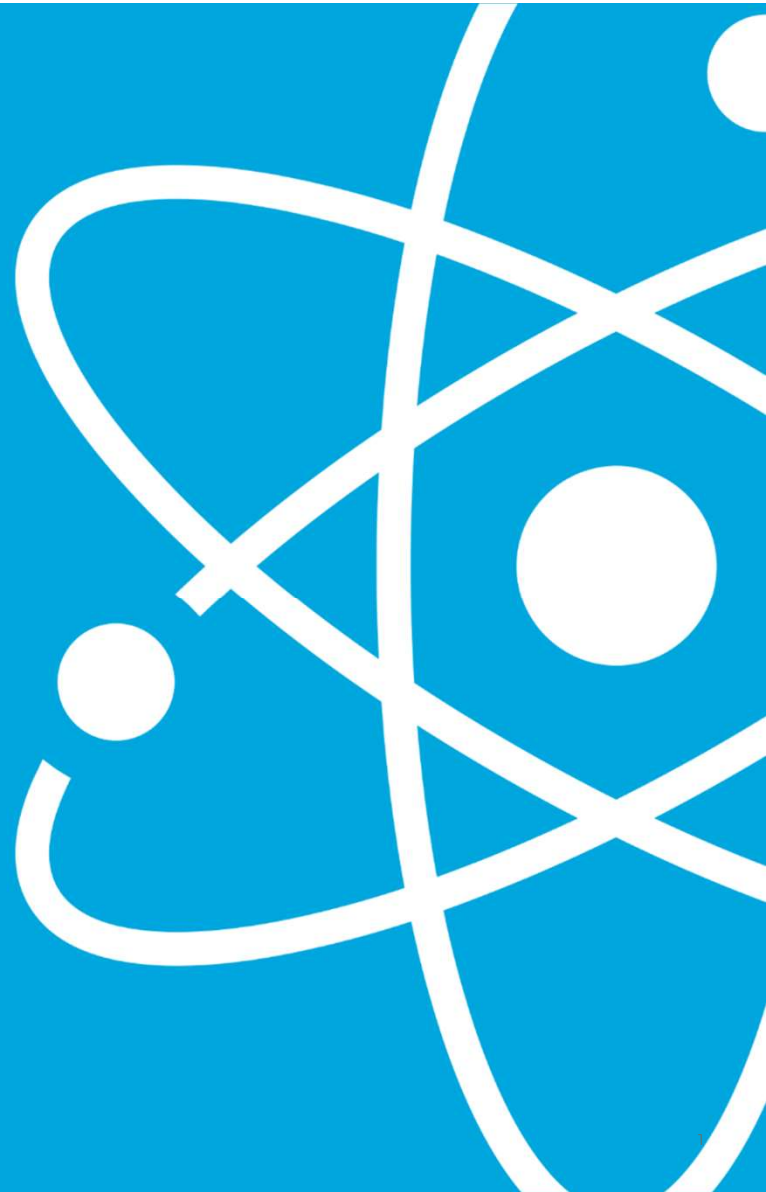
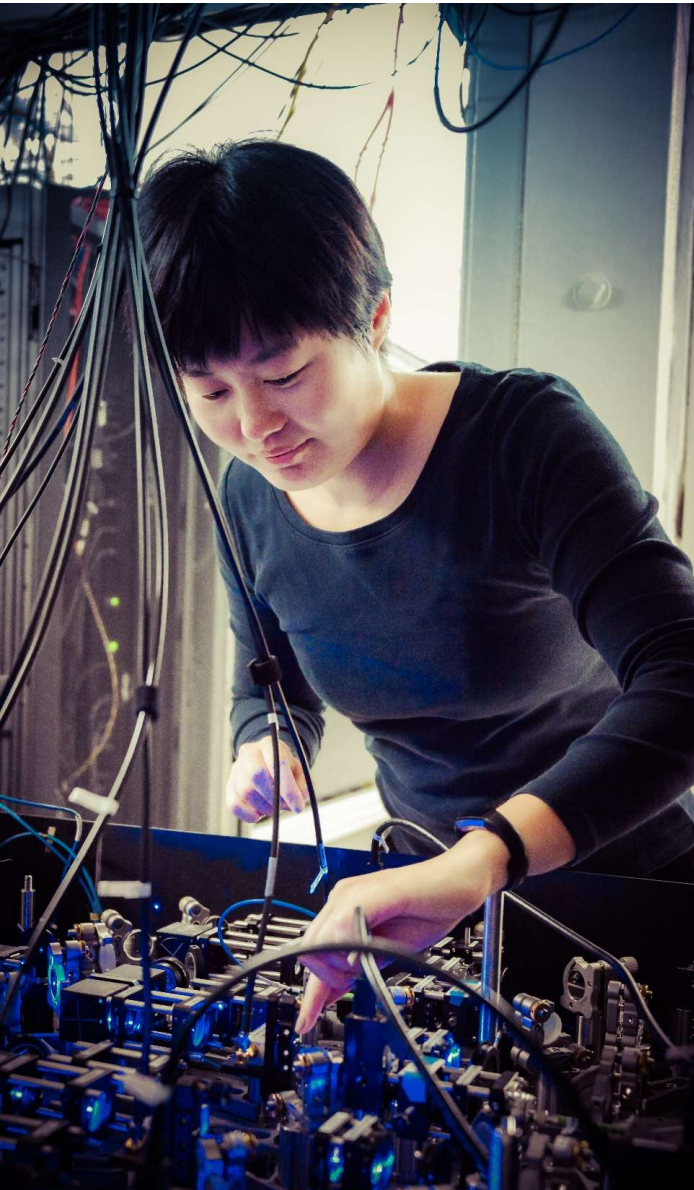


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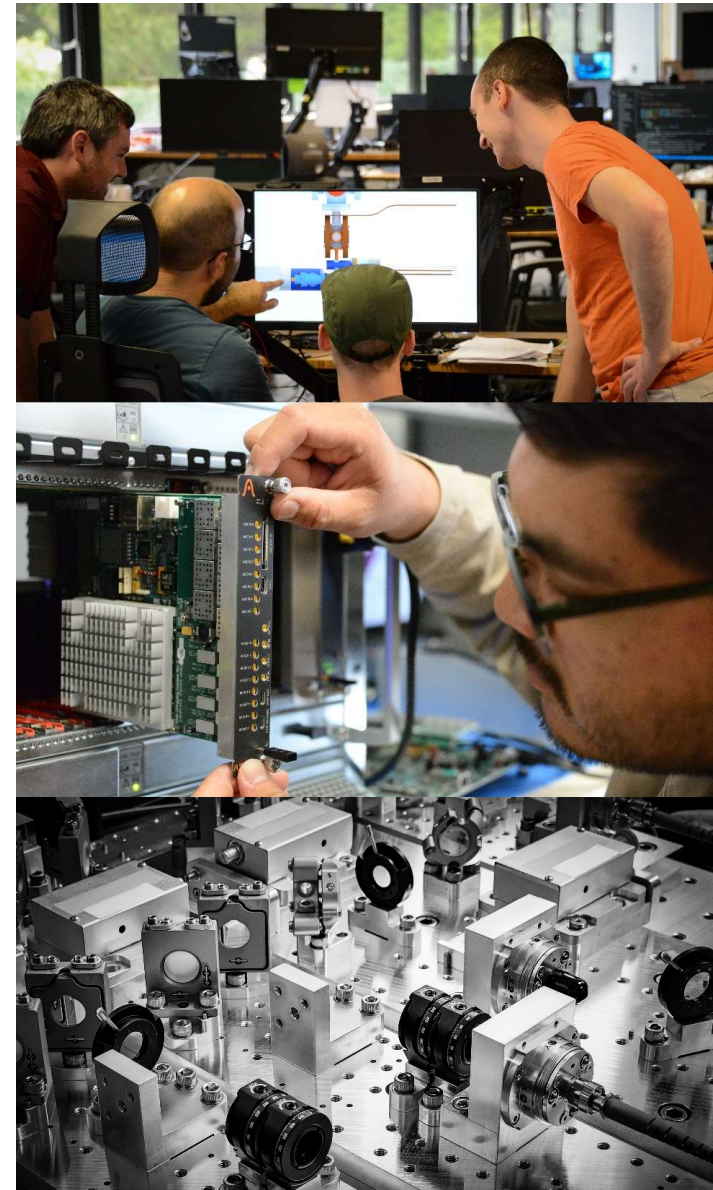
Prototype

100-qubit prototype system to prove nuclear spin qubits and complete system functionality

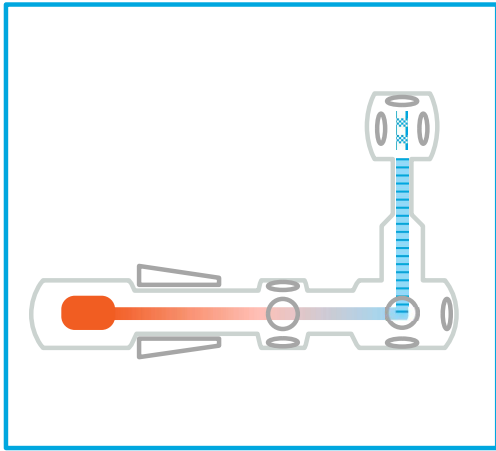
Commercial Systems

1225 qubits demonstrated, plus improvements to performance, quality, and reliability for commercial deployment

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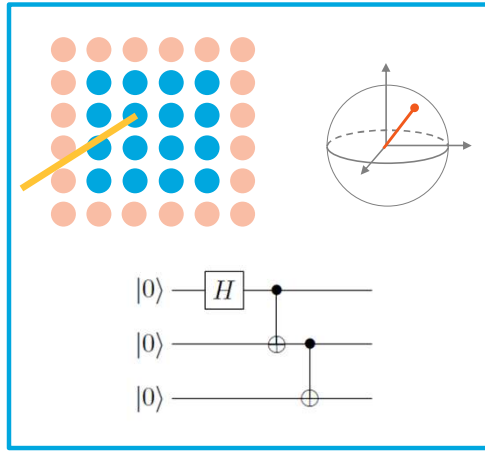


Realizing a Neutral Atom Quantum Computer



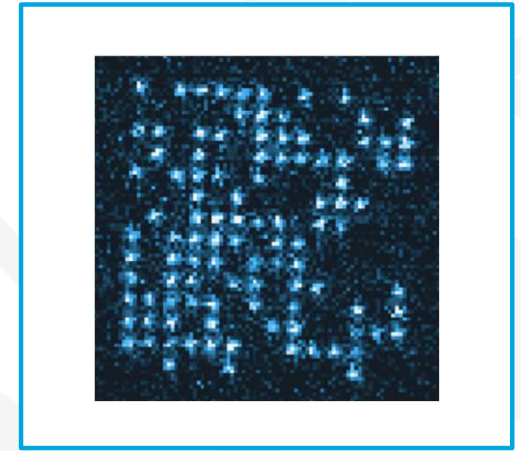
PREPARING THE ATOMS

A hot stream of atoms is cooled and optically trapped in a 2D array



QUANTUM PROCESSING

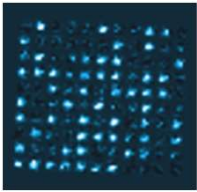
Quantum gates are performed with sequences of laser pulses



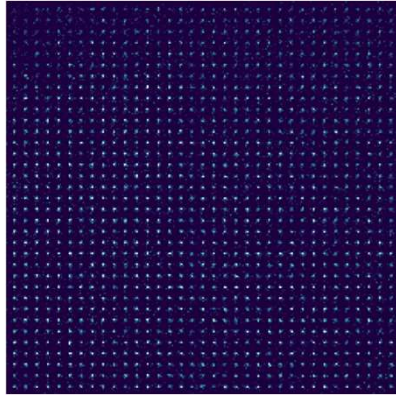
RESULTS READOUT

A camera watches glowing qubits to identify zeros and ones

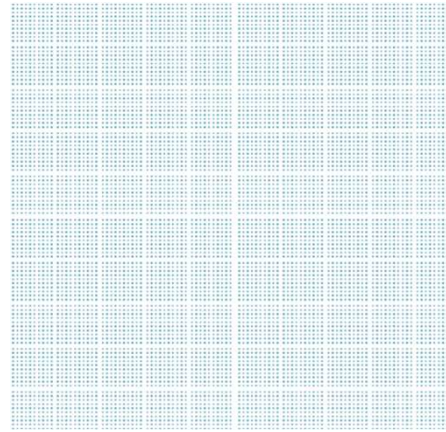
Straightforward Scaling



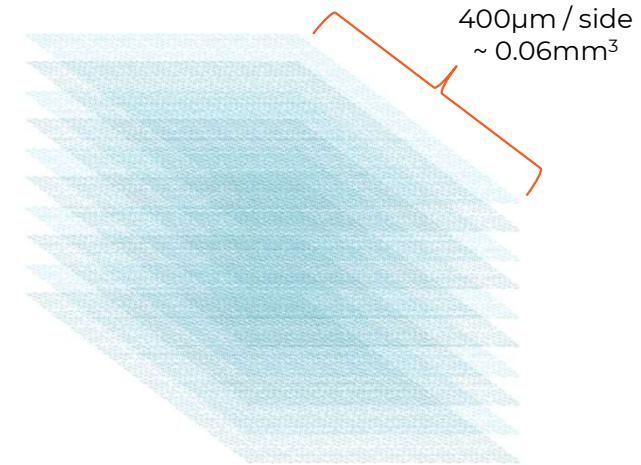
11 x 11 array
121 Qubits



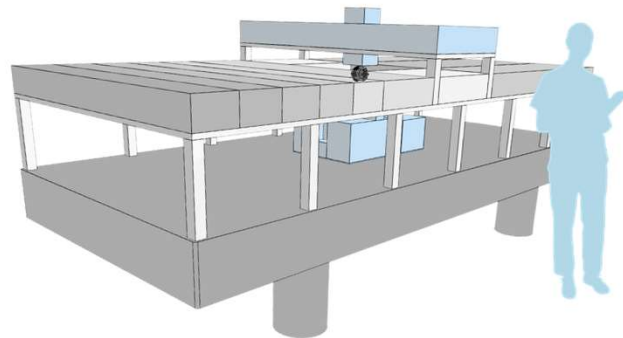
35 x 35 array
1,225 Qubits



100 x 100 array
10,000 Qubits



100 x 100 x 100 array
1 Million Qubits



...within a single small vacuum chamber
and same system footprint