

Virtual Institute for Quantum Computation

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This institute integrates all groups which have an effort aiming at building a large scale quantum computer, independently of the physical system used for this purpose. The latter will thus include trapped ions and neutral atoms, cavity QED, solid state devices (such as superconducting qubits, possibly in combination with circuit cavity QED, and spin qubits), all-optical devices, as well as impurity spins in solids, single molecular magnets, and all sort of hybridization between these different implementations.

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