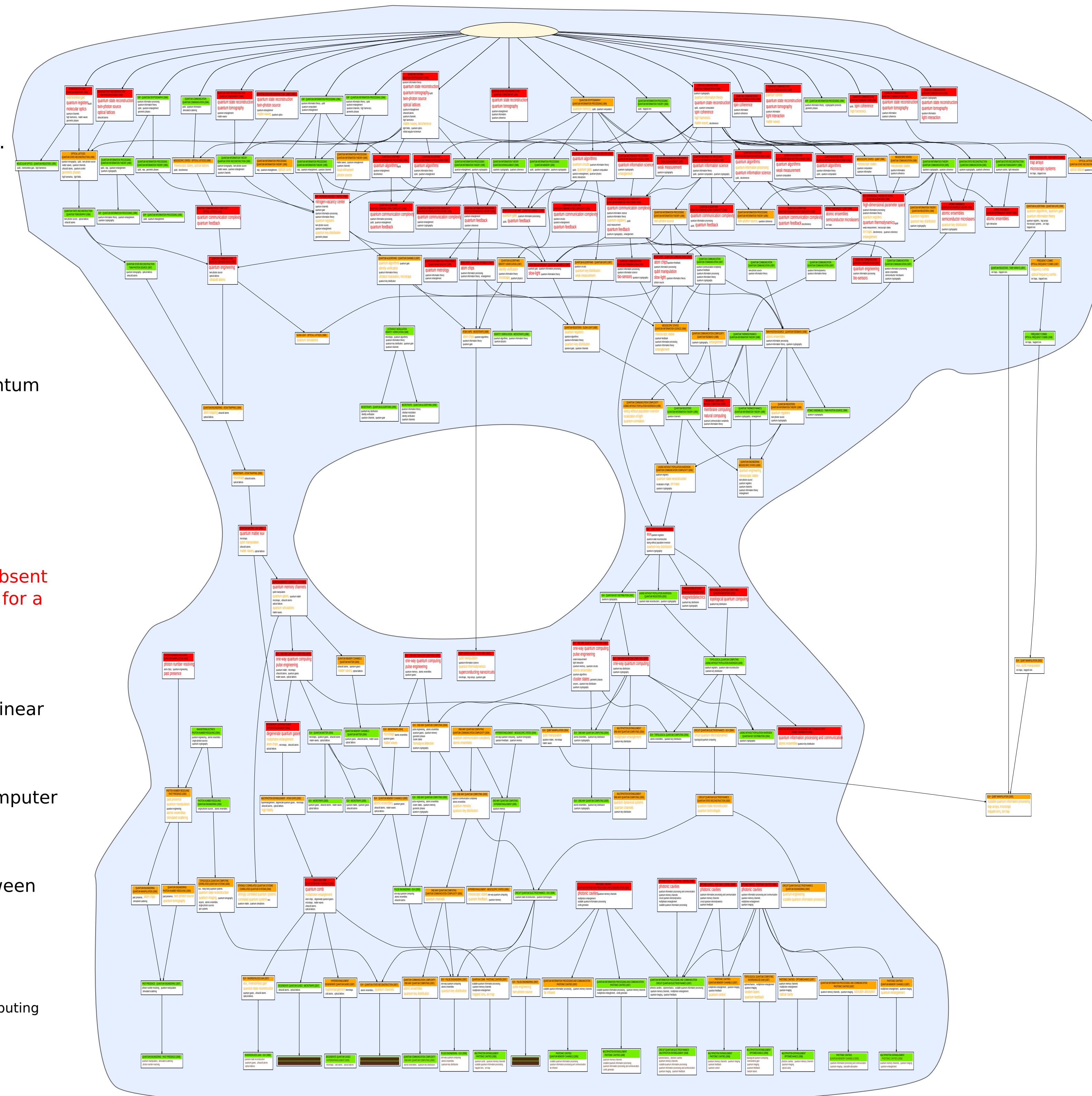


Phylomémie des sciences (Chavalarias 2016 - HDR)

ORDINATEURS QUANTIQUES



1994 - Peter Shor algorithm to factorize large integers
 1995 - First schemes for quantum error correction.
 - First realization of a quantum logic gate
 1996 - First quantum database search algorithm.
 - First public call for research proposals in quantum information processing (US Gov. & Army).

1998 - First experimental demonstration of a quantum algorithm.
 - First working 3-qubit NMR computer

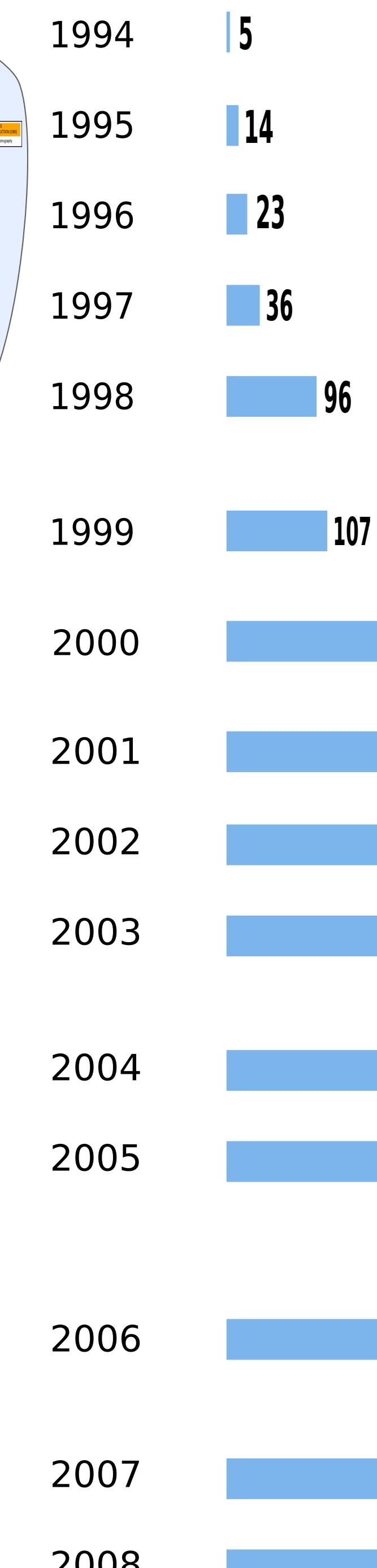
2001 Negative result

Demonstration by Noah Linden and Sandu Popescu that entanglement (so far absent from experiments) is a necessary condition for a large class of quantum protocols.

- First execution of Shor's algorithm
 2002 Quantum computation roadmap.
 2003 - Quantum controlled-not gates using only linear optical elements
 - DARPA Quantum Network operational
 2004 - First working pure state NMR quantum computer
 2005 - First quantum byte, or qubyte
 - First transfer of quantum information between "quantum memories"

2006 - 2007

acceleration of discoveries.
 Cf. https://en.wikipedia.org/wiki/Timeline_of_quantum_computing



LEGENDE

Nombre de documents du WoS pour la requête ("quantum communication" OR "quantum information" OR "quantum computing" OR "quantum computer" OR "quantum processing" OR "quantum algorithm")

Première apparition du terme dans la phylométrie

1999 Membrane computation, natural

2001 EUV, Quantum matter

2002 Quantum memory channel, topological quantum computing, magnetodielectric

2003 One-way quantum computing, superconducting nanocircuits, pulse engineering, cluster states

