

# Post-quantum Cryptography

Cryptographic schemes that can defeat quantum computers

➡ Still in research (started around 2006)

[https://en.wikipedia.org/wiki/Post-quantum\\_cryptography](https://en.wikipedia.org/wiki/Post-quantum_cryptography)

# Quantum Cryptography

The use uses quantum bits and quantum-mechanical phenomena to realize cryptographic tasks

- ➡ Example : Quantum Key Distribution - use a quantum channel to establish a shared key to use on a public channel