



# Quantum Optics & Quantum Information

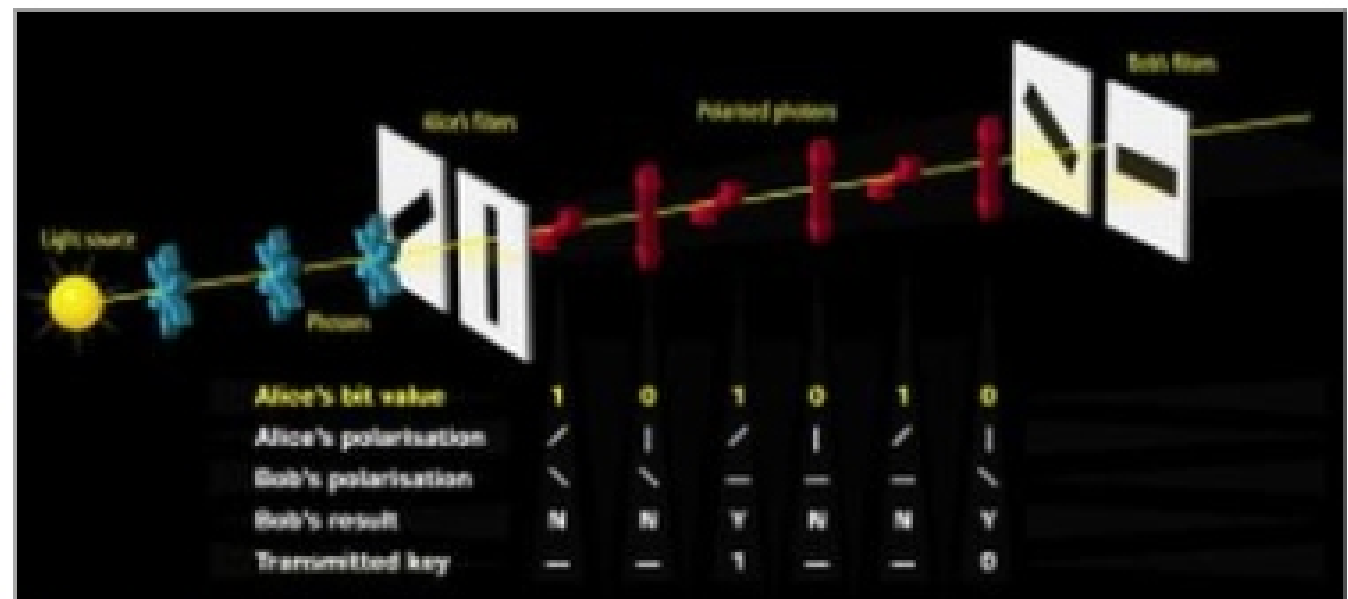
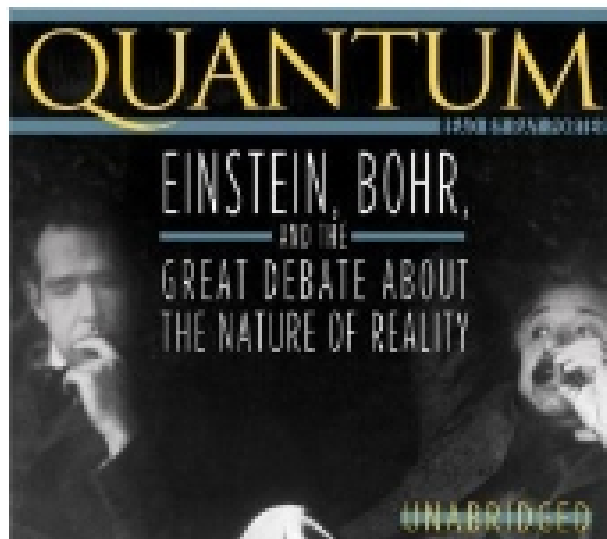
# Outline

- **Motivation**
- **Single Photon Interference**
- **Single Photon Source**
- **Entanglement and Bell's Inequalities**
- **Future Work**



# Motivation

Why was this laboratory class so much fun and interesting?



<http://www.nature.com/nature/journal/v456/n7223/full/456706a.html>



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