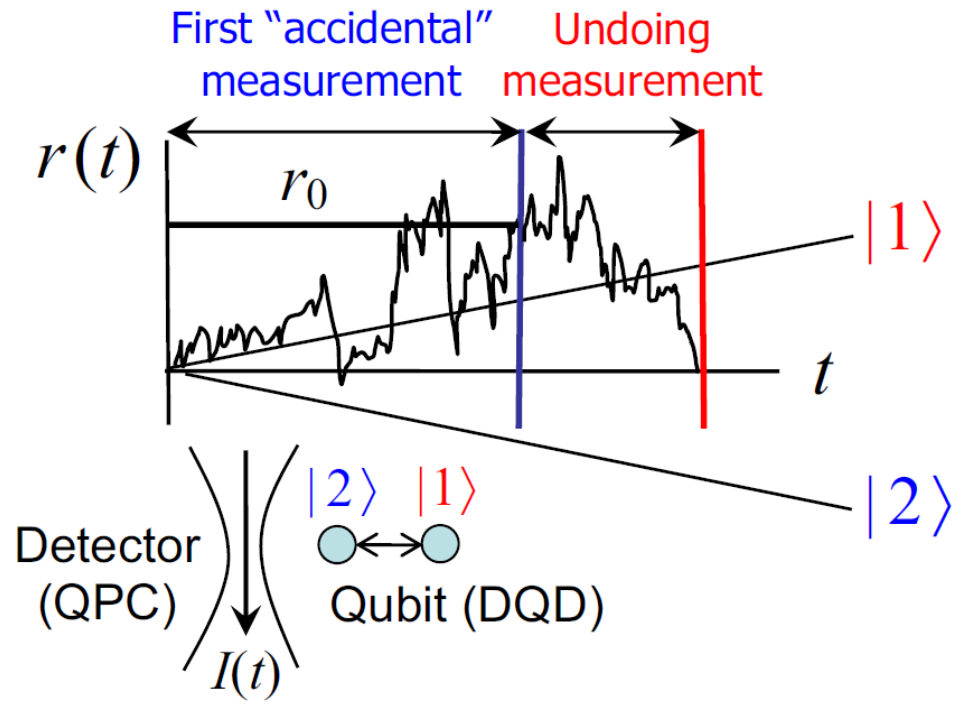


# Lecture 4 - Measurement-related Phenomena and Applications

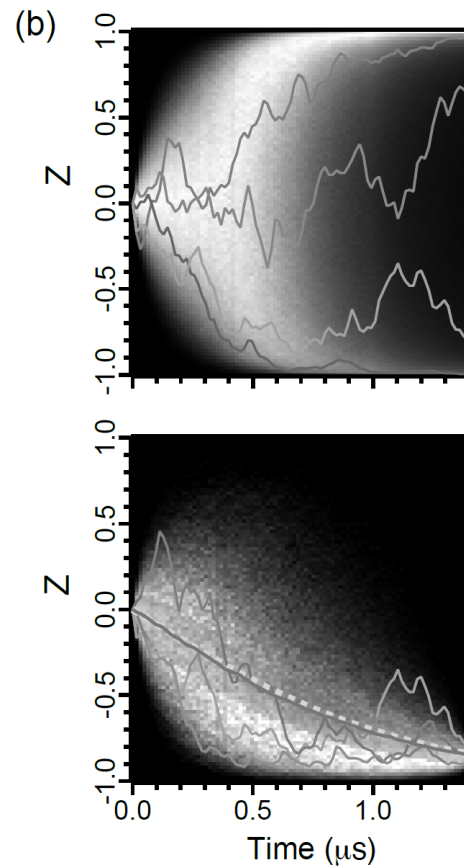
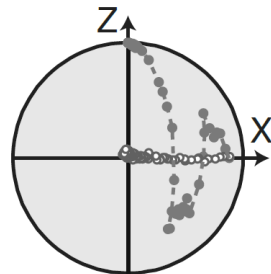
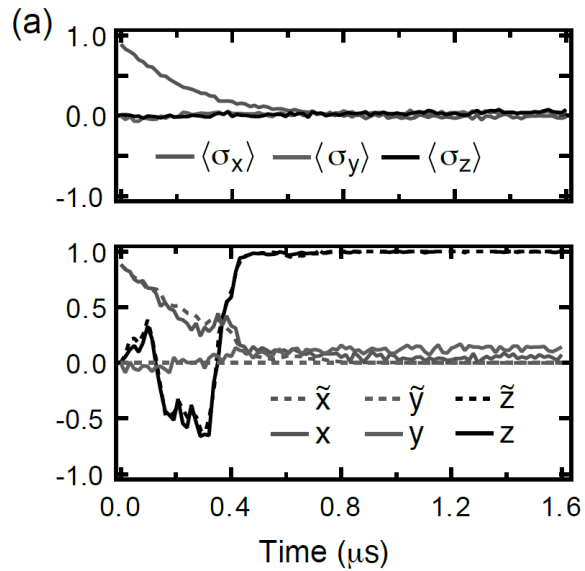
A. N. Jordan

The last lecture will survey some of the fascinating phenomena associated with quantum measurement. These include the possibility of reversing a weak measurement, entanglement of distant objects by a joint measurement process, and feedback control of continuously monitored quantum systems.

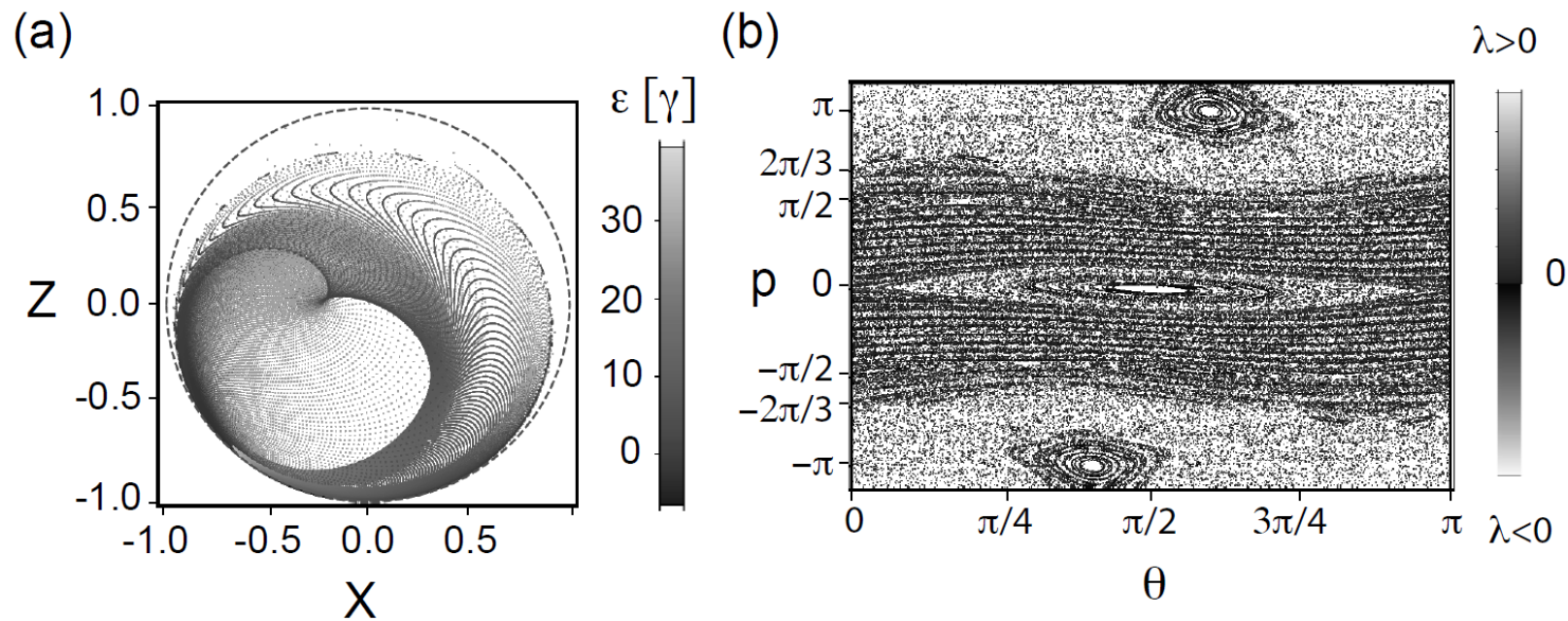
# Lecture 4 - Figure 1



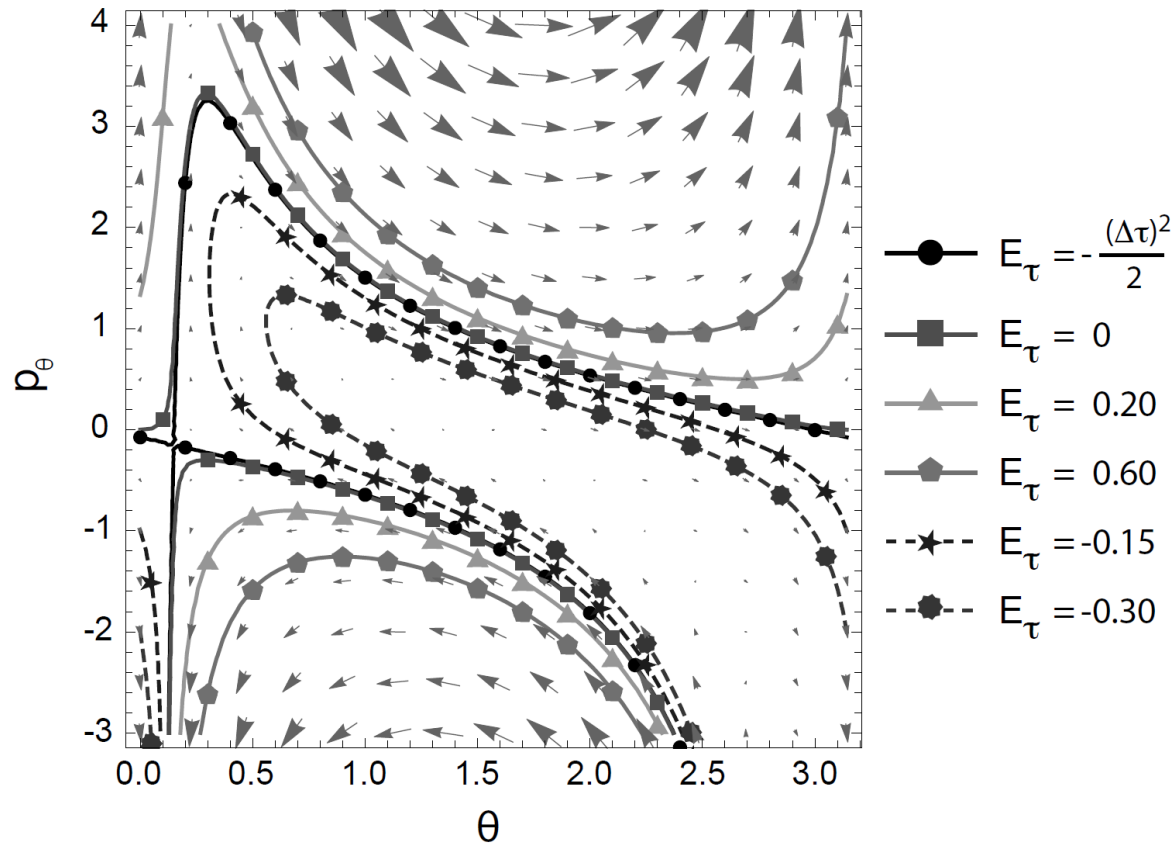
# Lecture 4 - Figure 2



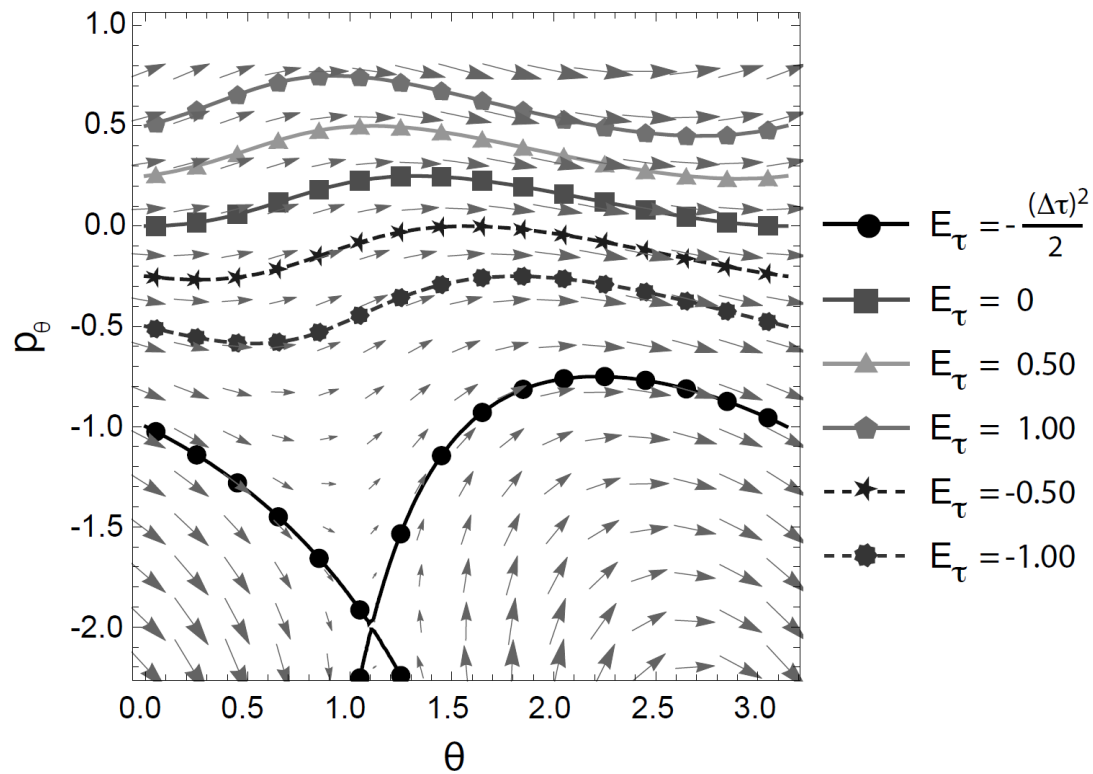
# Lecture 4 - Figure 3



# Lecture 4 - Figure 4



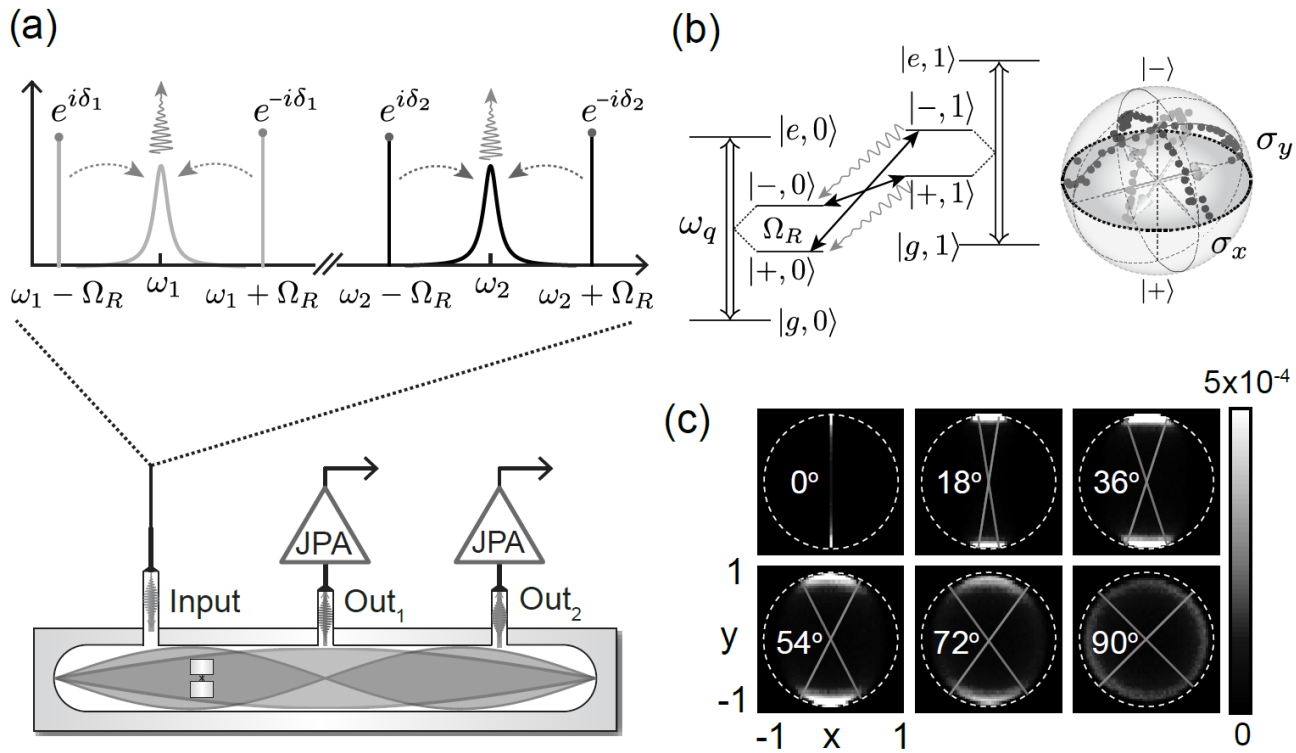
# Lecture 4 - Figure 5



# Lecture 4 - Figure 6

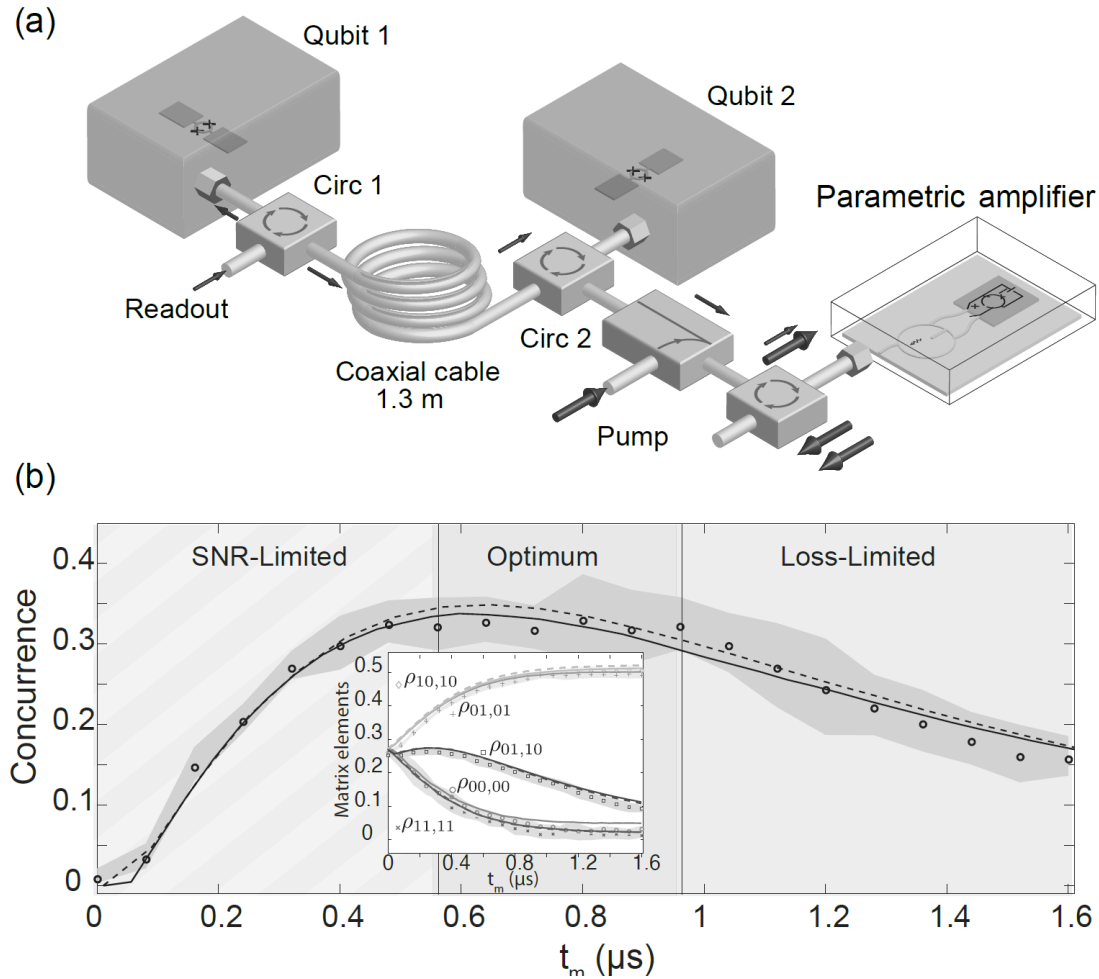


# Lecture 4 - Figure 7



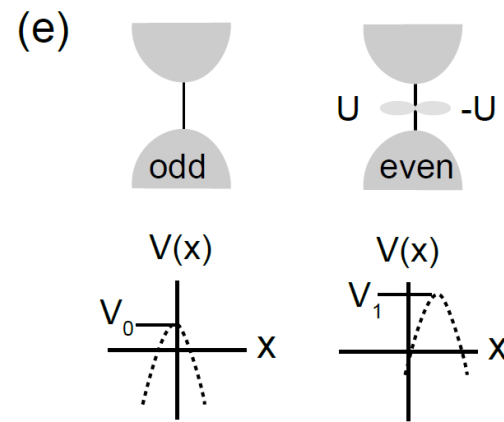
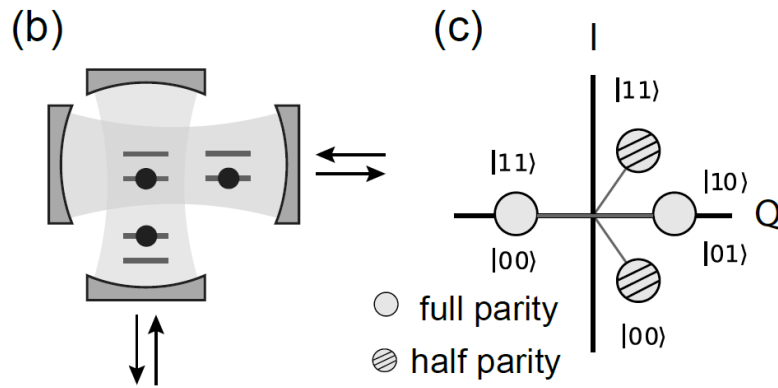
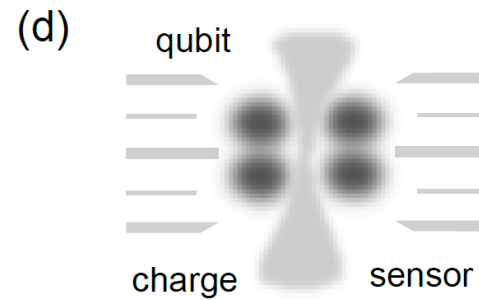
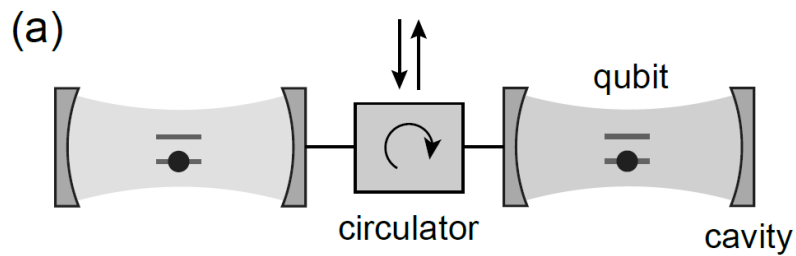


# Lecture 4 - Figure 8

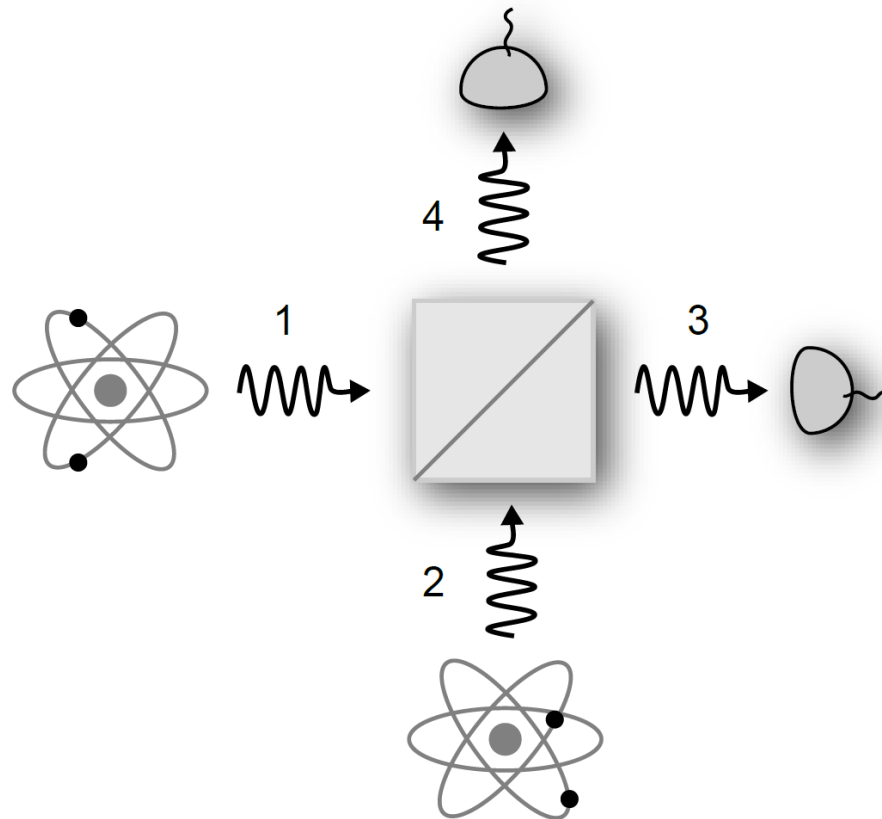


Roch et al., (2014), Adapted with permission from the American Physical Society.

# Lecture 4 - Figure 9



# Lecture 4 - Figure 10



# Lecture 4 - Figure 11

