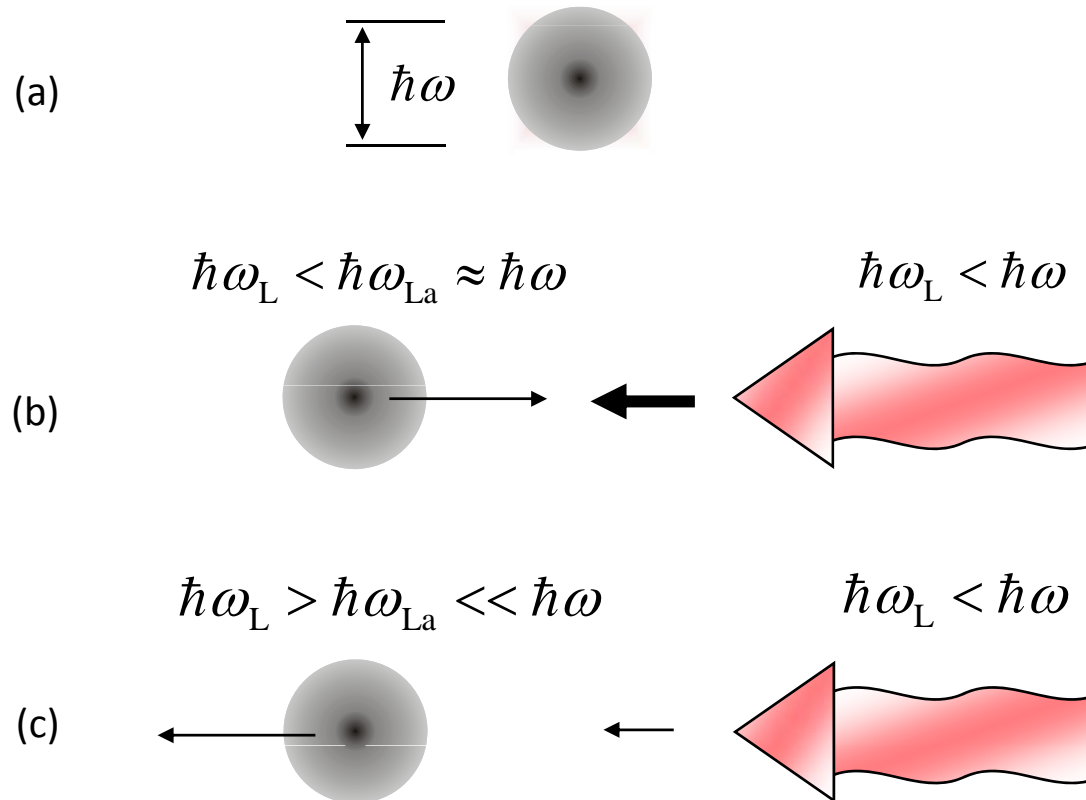


# 低温物理学

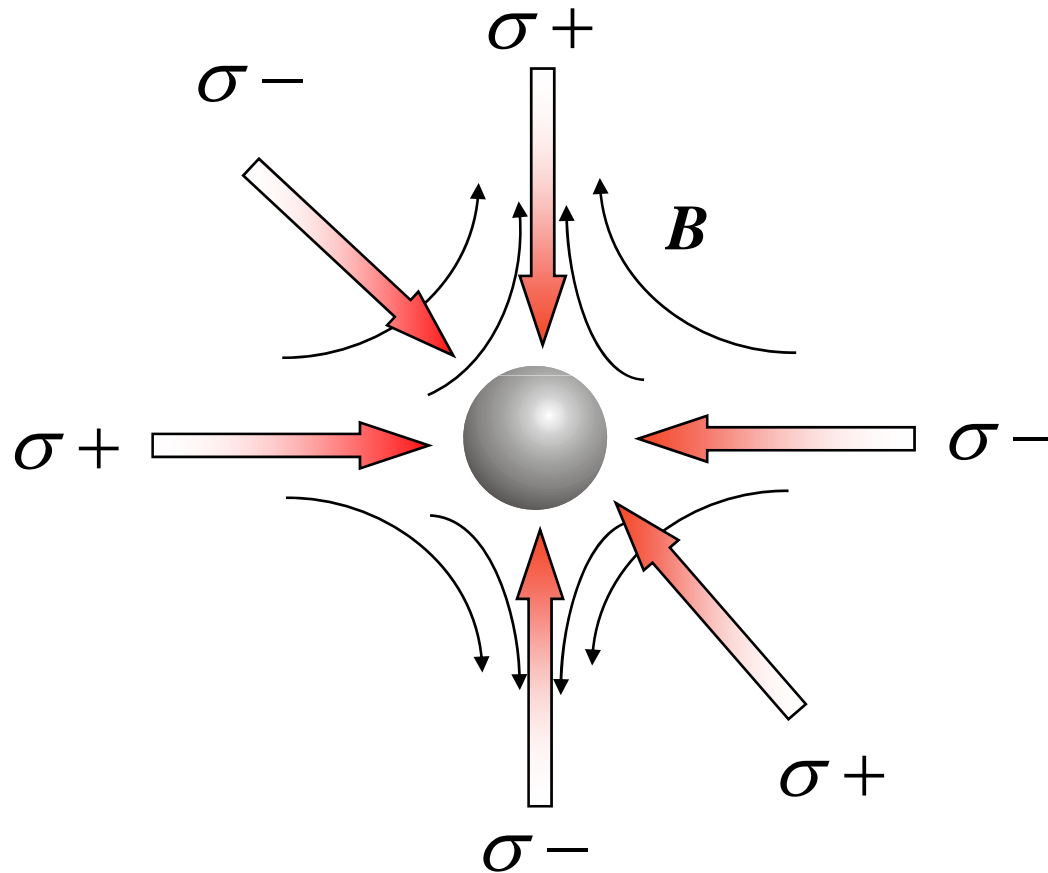
第2回 2009.4.16

勝本信吾

# ドップラー冷却

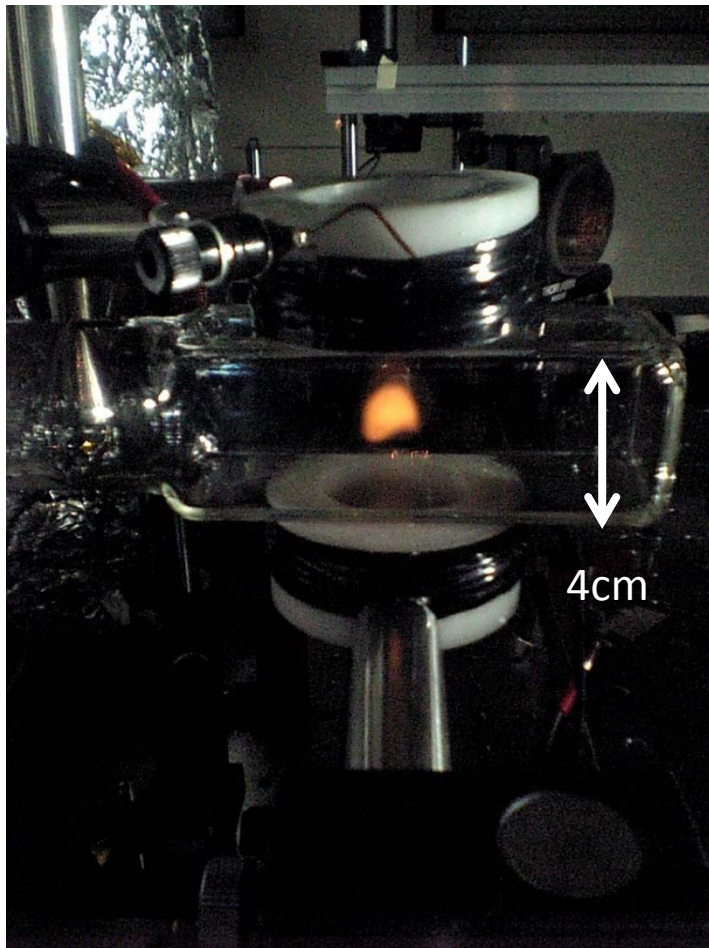


# 磁気光学トラップ (Magneto-Optical Trap, MOT)

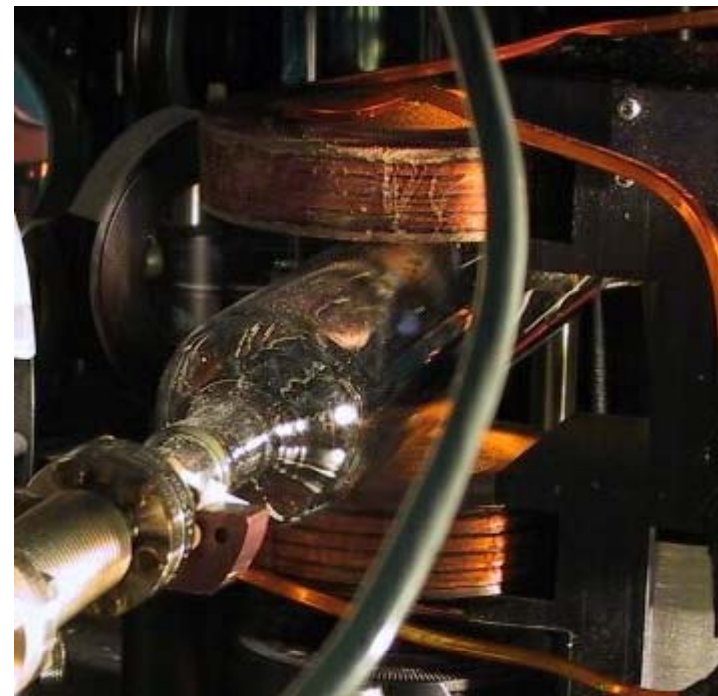


# MOT中の原子集団

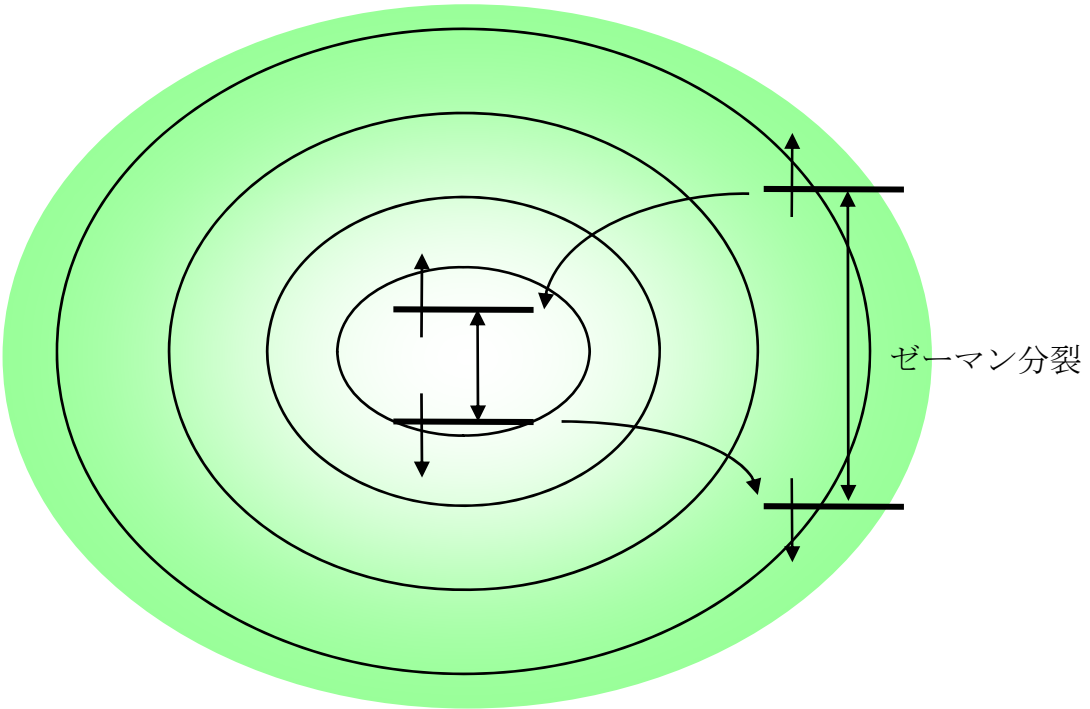
東大久我・鳥井研究室



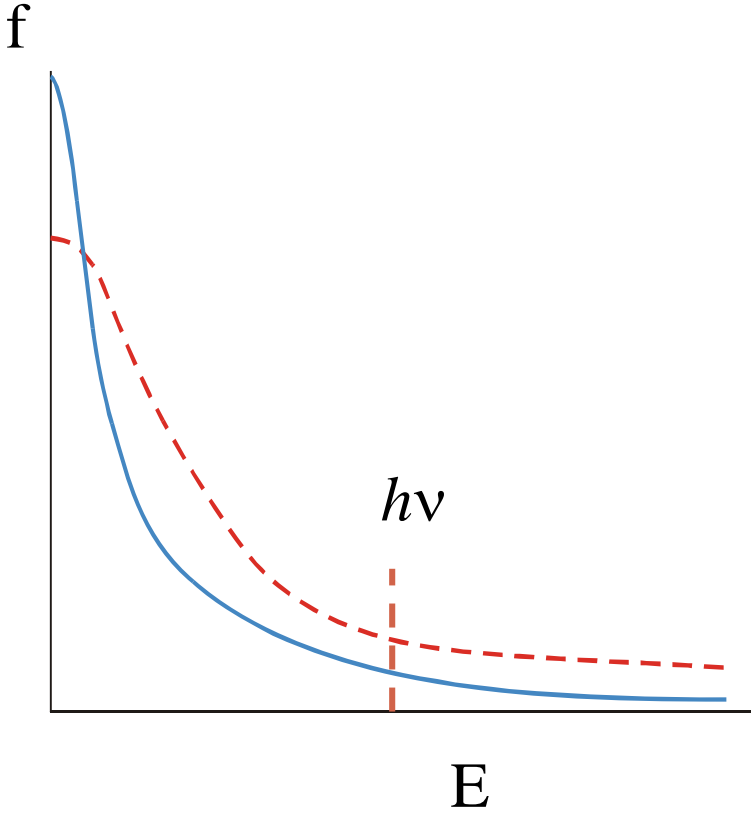
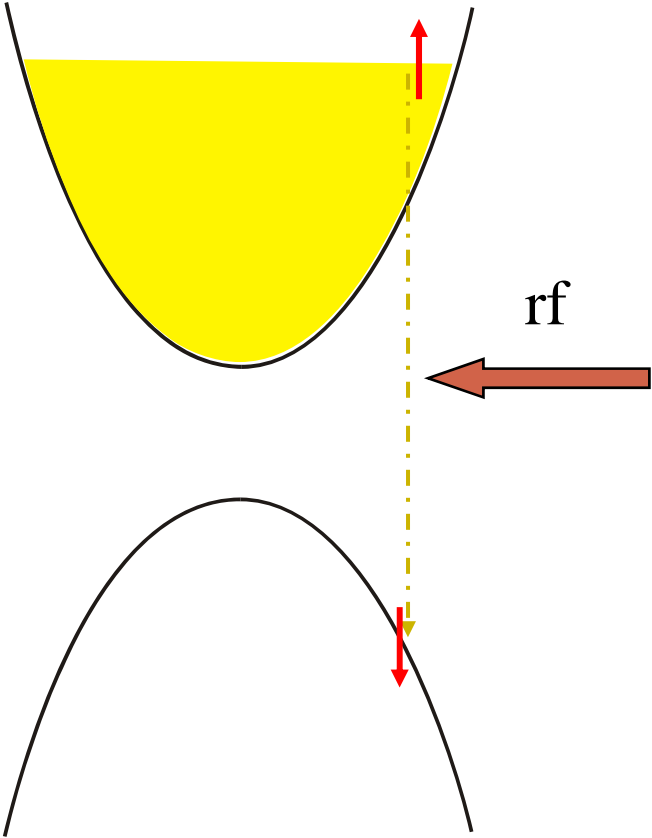
JILA at NIST



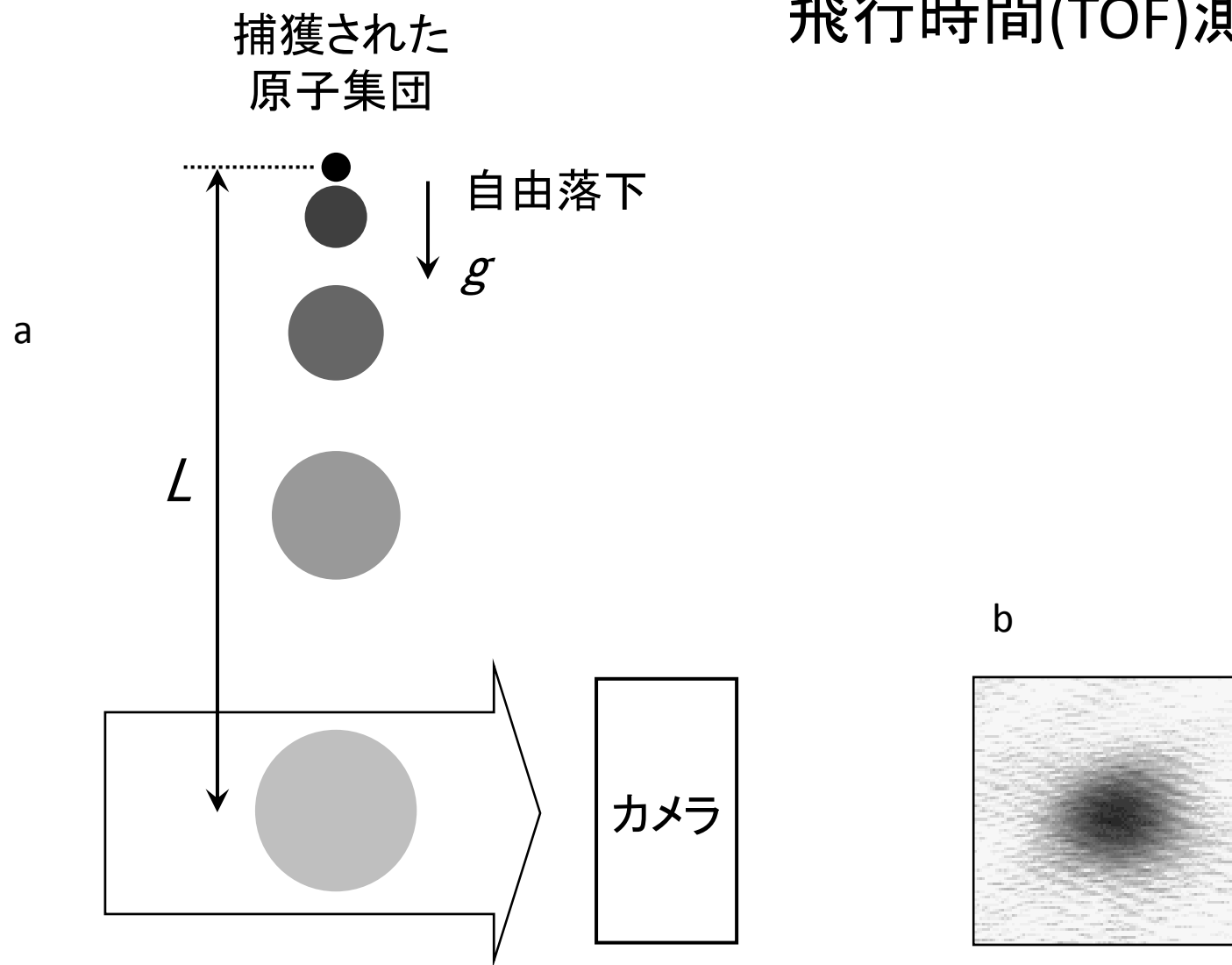
# 磁気トラップ



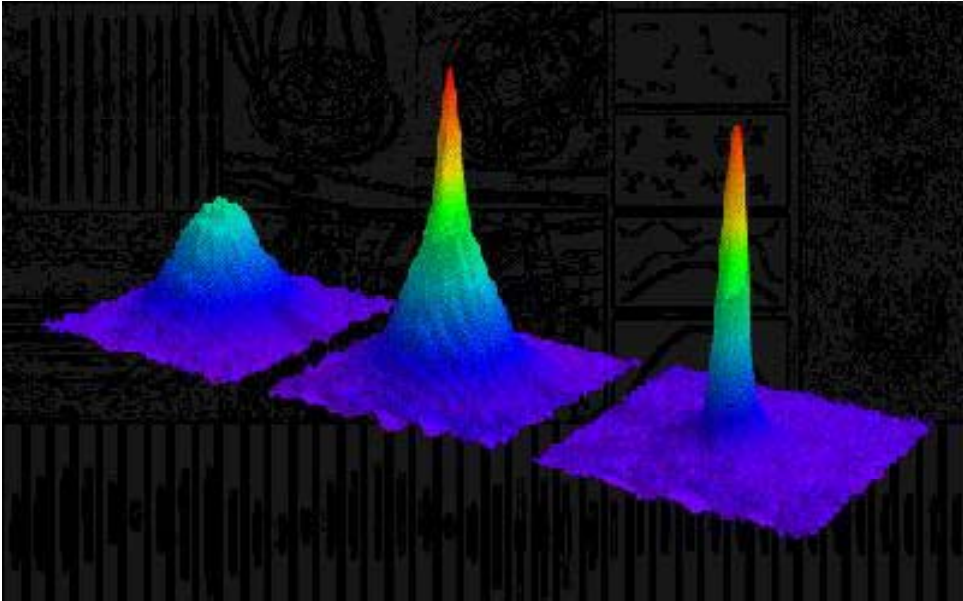
# 蒸発冷却の原理



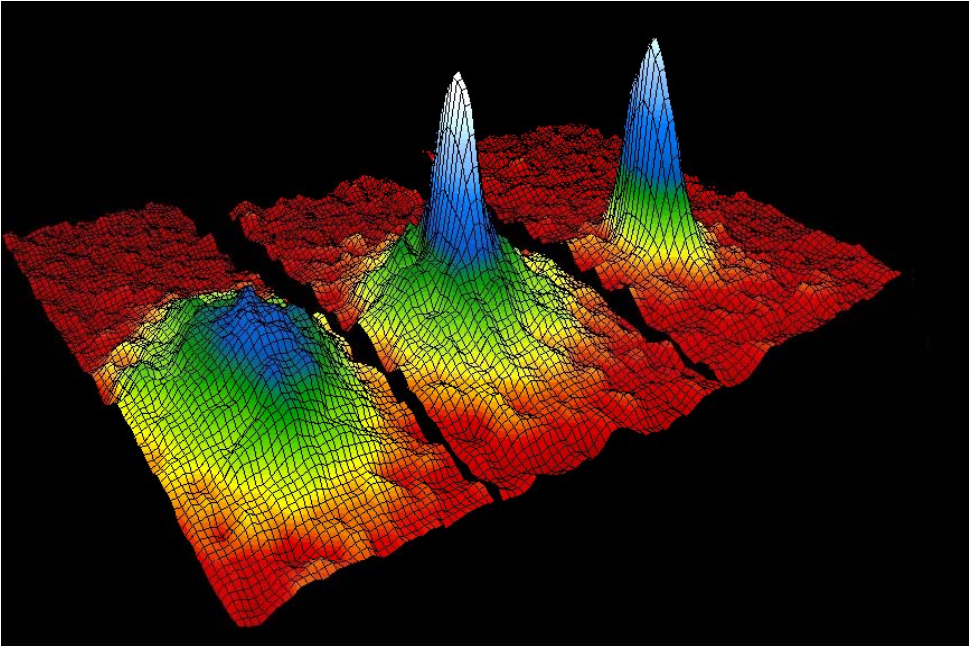
# 飛行時間(TOF)測定法



MIT

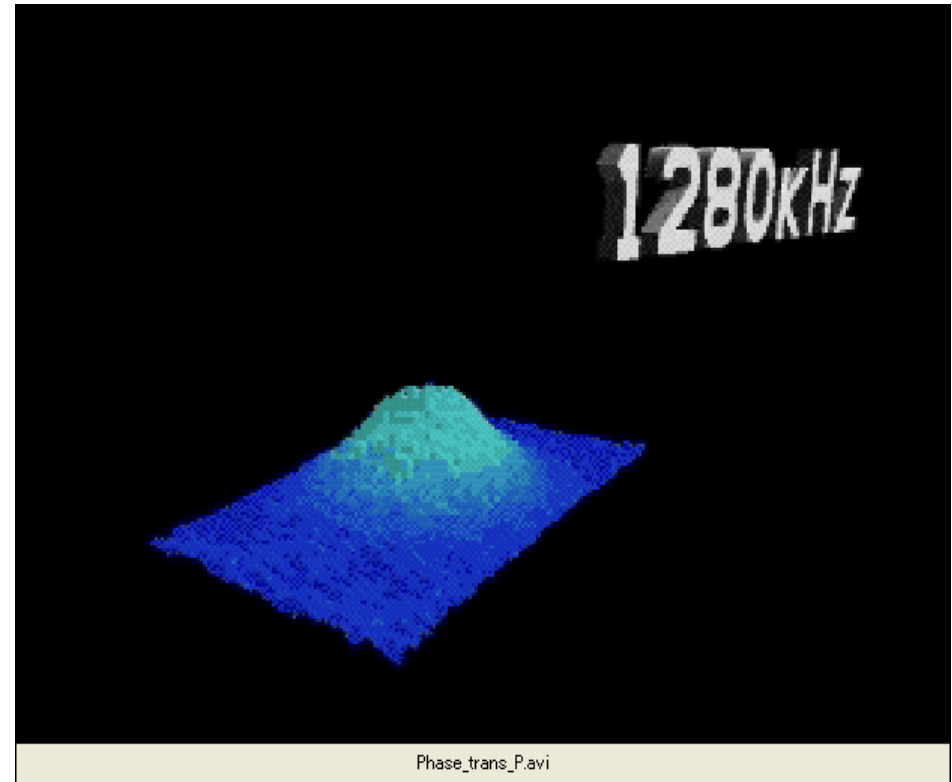
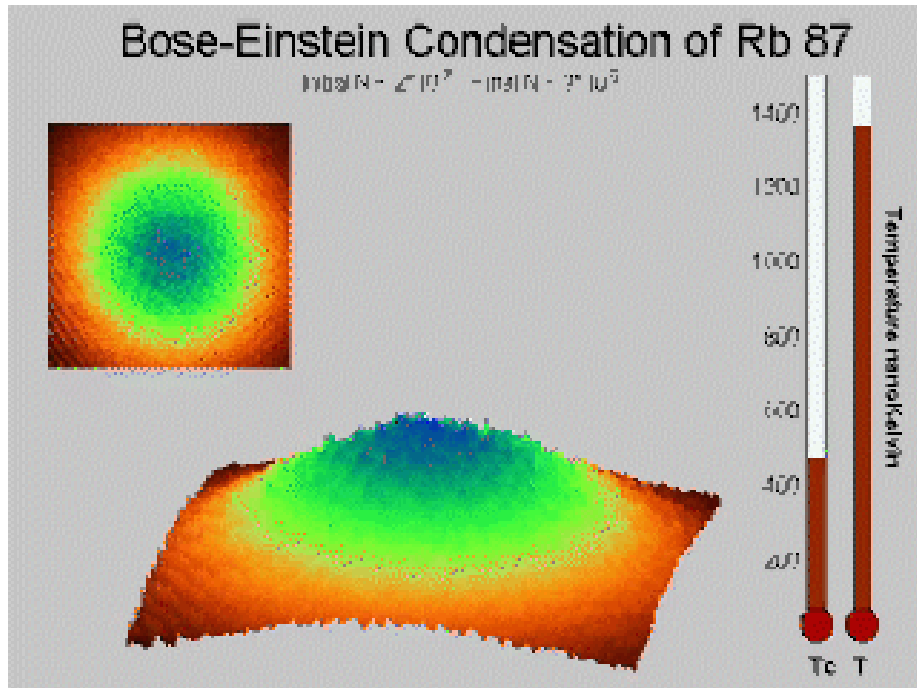


JILA

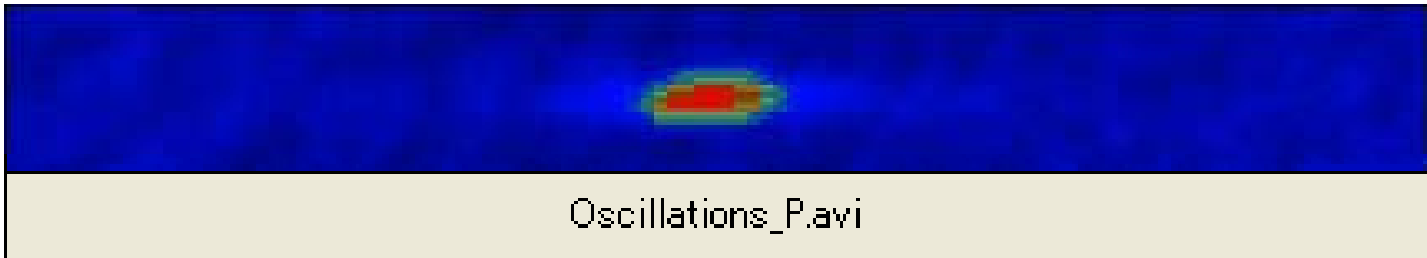
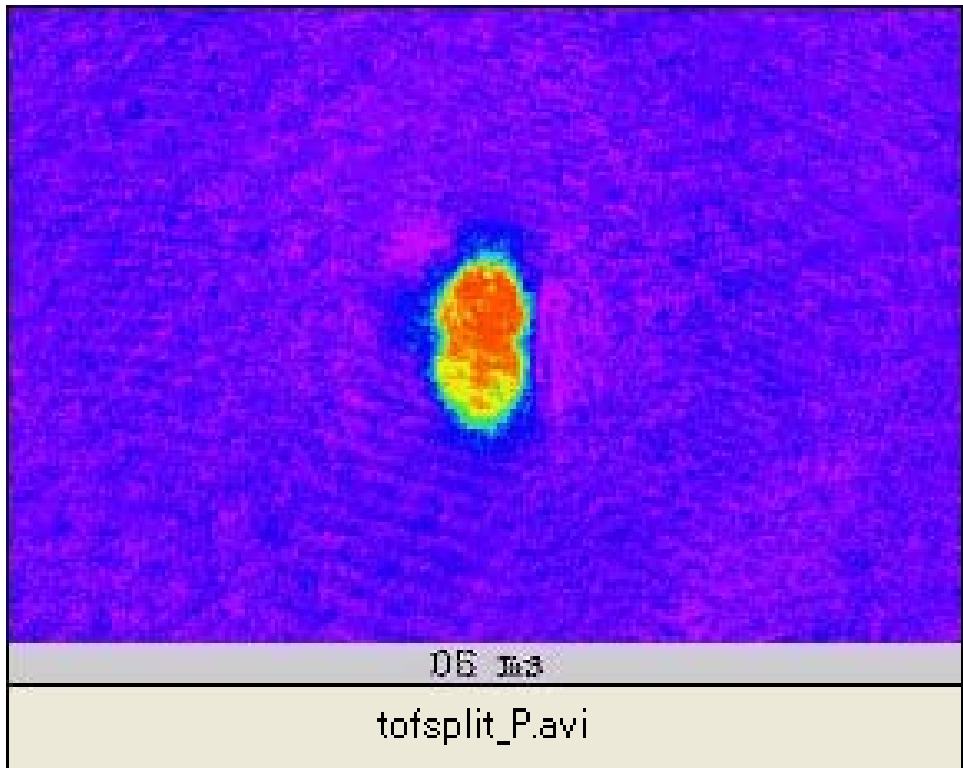
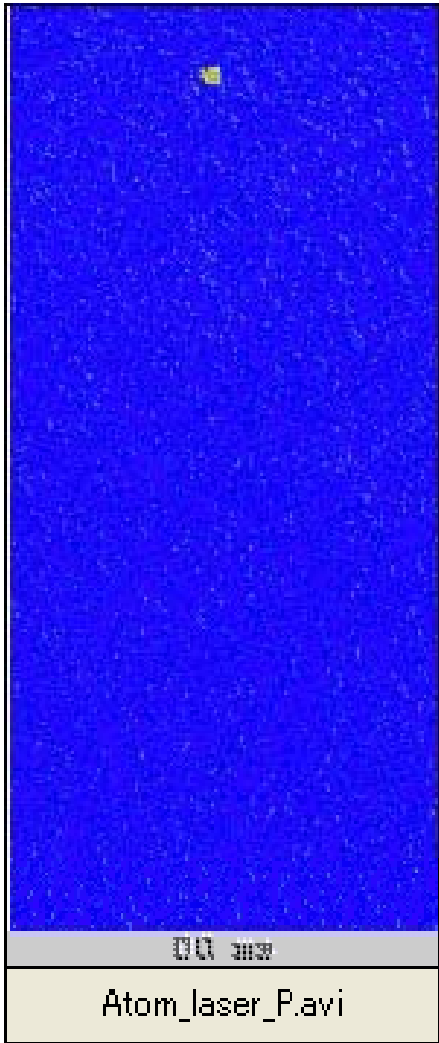




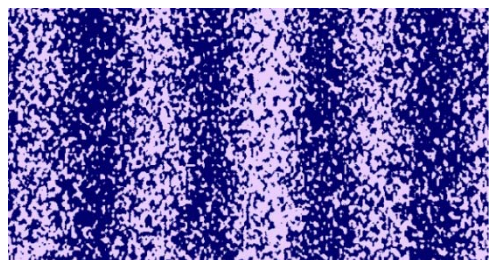
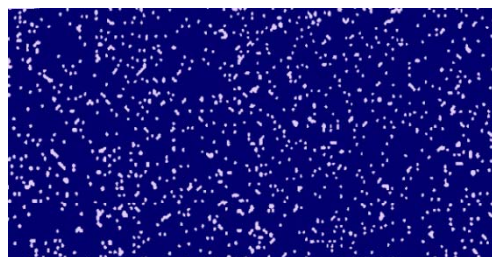
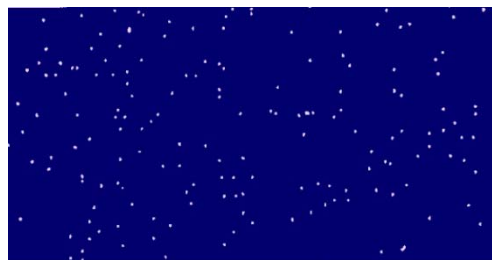
# BECの発生



# BECの様々な実験

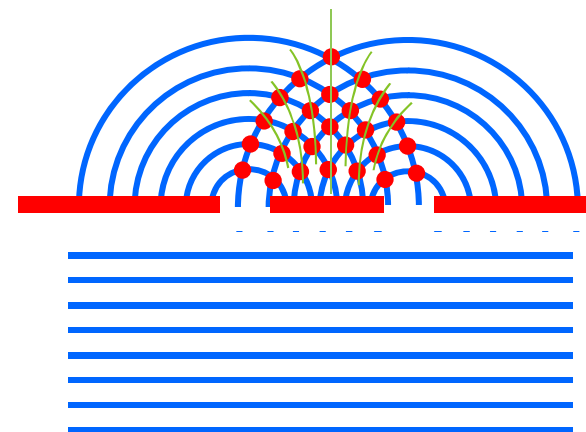
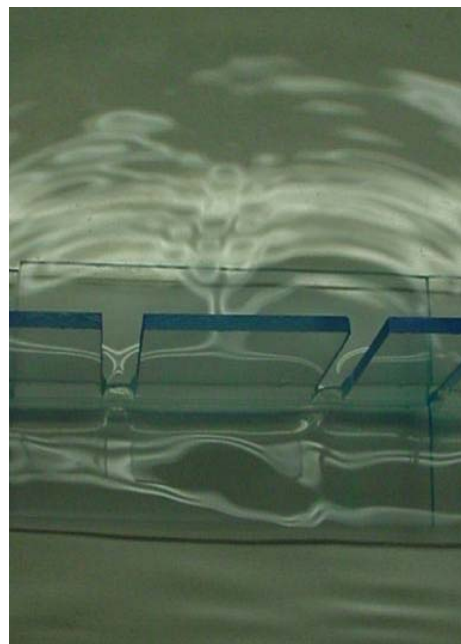


# 電子波(独立)



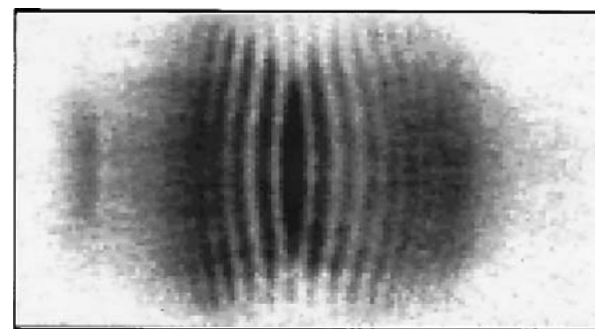
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# BEC同士の干渉効果



水面波

Rb BEC



MIT, Science 278, 637 (1997)