

Literature list of lecture

“Laser Cooling and Matter Waves” (physics735)

Prof. Martin Weitz (SS 2012)

Books

H. J. Metcalf, P. van der Straten, Laser Cooling and Trapping (Springer, New York 1999)

M. Scully and M.S. Zubairy, Quantum Optics (Cambridge University Press, Cambridge 1997)

C. Cohen-Tannoudji, J Dupont-Roc, G Grynberg, Atom-Photon-Interactions (Wiley, New York 2011)

L. Allen and J.H. Eberly, Optical Resonance and Two-Level Atoms, (Dover Publications Inc., New York 1988)

P. Meystre and M. Sargent, Elements of Quantum Optics (Springer, Berlin 2007)

C.J. Pethick and H. Smith, Bose-Einstein Condensation in Dilute Gases (Cambridge University Press, Cambridge 2011)

Review Articles

C.S. Adams and E. Riis, /Laser Cooling and Trapping of Neutral Atoms/, Prog. Quant. Elect. **21**, 1-79 (1997)

R. Grimm, M. Weidemüller, and Yu.B. Ovchinnikov, /Optical dipole traps for neutral atoms/, Adv. At. Mol. Opt. Phys. **42**, 95-170 (2000).
arXiv:physics.atom-ph/9902072 (<http://xxx.lanl.gov/abs/physics/9902072>)