

List of Articles – 1st week

1. Th. Sauter, R. Blatt, W. Neuhauser, and P.E. Toschek, *Phys. Rev. Lett.* 57, 1696 (1986). "Observation of Quantum Jumps".
2. K. Molmer, Y. Castin, and J. Dalibard, *J. Opt. Soc. Am. B* 10, 524 (1993). "Monte-Carlo Wave-Function Method in Quantum Optics".
3. H. F. Hess, *Phys. Rev. B* 34, 3476 (1986). "Evaporative Cooling of Magnetically Trapped Spin-Polarized Hydrogen".
4. E.A. Cornell, *J. Res. Natl. Inst. Stand. Tech.* 101, 419 (1996). "Very Cold Indeed: The Nanokelvin Physics of Bose-Einstein Condensation".
5. E. Peik, M. Ben Dahan, I. Bouchoule, Y. Castin, and C. Salomon, *Phys. Rev. A* 55, 2989 (1997). "Bloch Oscillations of Atoms, Adiabatic Rapid Passage, and Monokinetic Atomic Beams".
6. S. Inouye, A. P. Chikkatur, D. M. Stamper-Kurn, J. Stenger, D. E. Pritchard, and W. Ketterle, *Science* 285, 571 (1999). "Superradiant Rayleigh Scattering from a Bose-Einstein Condensate".
7. S. Slama, S. Bux, G. Krenz, C. Zimmermann, and Ph. W. Courteille, *Phys. Rev. Lett.* 98 053603 (2007). "Superradiant Rayleigh scattering and collective atomic recoil lasing in a ring cavity".
8. P.W. Anderson, *Phys. Rev. Lett.* 18, 1049 (1967). "Infrared Catastrophe in Fermi Gases with Local Scattering Potentials".
9. M. Cetina et al., *Science* 354, 96 (2016). "Ultrafast Many-Body Interferometry of Impurities Coupled to a Fermi Sea".
10. Akkermans, Eric, P. E. Wolf, and R. Maynard, *Phys. Rev. Lett.* 56, 1471 (1986). "Coherent backscattering of light by disordered media: Analysis of the peak line shape".
11. Ghosh, Sanjib, et al. *Phys. Rev. Lett.* 115, 200602 (2015). "Coherent backscattering reveals the Anderson transition".
12. Soret, Ariane, Karyn Le Hur, and Eric Akkermans. *arXiv:1902.11096* (2019). "Fluctuating Forces Induced by Non Equilibrium and Coherent Light Flow".
13. Jonckheere, Thibaut, et al., *Phys. Rev. Lett.* 85, 4269 (2000). "Multiple scattering of light by atoms in the weak localization regime".
14. Webb, Richard A., et al. *Phys. Rev. Lett.* 54, 2696 (1985). "Observation of the Aharonov-Bohm oscillations in normal-metal rings".

15. Wolf, P. E., et al., *Journal de Physique* 49, 63-75 (1988). "Optical coherent backscattering by random media: an experimental study".
16. D.A. Butts and D.S Rokhsar, *Phys. Rev. A* 55, 4346 (1997). "Trapped Fermi gases".
17. H. Heiselberg, C. J. Pethick, H. Smith, and L. Viverit, *Phys. Rev. Lett.* 85, 2418 (2000). "Influence of Induced Interactions on the Superfluid Transition in Dilute Fermi Gases".
18. G. Ortiz and J. Dukelsky, *Phys. Rev. A* 72, 043611 (2005). "BCS-to-BEC crossover from the exact BCS solution".