Литература към семинара на акад. Иван Тодоров и Людмил Хадживанов – ИЯИЯЕ 01.12.2022 г.

[A13] A. Aspect, From Einstein, Bohr, Schrödinger to Bell and Feynman: a new quantum revolution? in: *Niels Bohr (1913-2013), Séminaire Poincaré XVII*, 2013, pp. 99-123.

[B64] J.S. Bell, On the Einstein-Podolsky-Rosen paradox, *Physics Physique Физика* **I** (1964) 195-200 (Eds. P.W. Anderson, Nobel Prize 1977, B.T. Matthias); see also [B87], Chapter 2, pp. 14-21.

[B87] J.S. Bell, *Speakable and Unspeakable in Quantum Mechanics*, Collected papers in Quantum Mechanics, Cambridge Univ. Press, 1987 (всички позовавания на Бел в текста са от тази книга).

[B52] D. Bohm, A suggested interpretation of the quantum theory in terms of "hidden" variables, 1, 2, *Phys. Rev.* **85**:2 (1985) 166-179, 180-193.

[BP] P.G. Burke, I.C. Percival, *John Stewart Bell 1928-1990*, https://royalsocietypublishing.org/3-17.

[C02] J.F. Clauser, Early history of Bell's theorem, in: R.A. Bertlmann, A. Zeilinger, *Quantum [Un]speakables* From Bell to Quantum Information, Springer, 2002, pp. 61-98.

[DGTZ] D. Dürr, S. Goldstein, R. Tumulka, N. Zanghi, *John Bell and Bell's theorem*, Dec. 27, 2004.

[EPR] A. Einstein, B. Podolsky, N. Rosen, Can quantum-mechanical description of physical reality be considered complete? *Phys. Rev*. **47** (1935) 777-780.

[FC] S.J. Freedman, J.F. Clauser, Experimental test of local hidden-variable theories, *Phys. Rev. Lett.* **28**:14 (1973) 938-941.

[F36] W. Furry, Note on the quantum-mechanical theory of measurement, *Phys. Rev.* **49** (1936) 393-99.

[GHSZ] D.M. Greenberger, M.A. Horne, A. Shimony, A. Zeilinger, Bell's theorem without inequalities, *Am. J. Phys.* **58**:12 (1990) 1131-1143 (dedicated to the memory of John S. Bell).

[HT] L. Hadjiivanov, I. Todorov, Quantum entanglement, *Bulg. J. Phys.* **42**:2 (2015) 128-142; arXiv:1506.04262. (Вариант на български език: И. Тодоров, Л. Хадживанов, Квантово преплитане, *Светът на физиката* **38**:3 (2015) 243-254.)

[K] D. Kaiser, *How the Hippies Saved Physics: Science, Counterculture and the Quantum Revival*, W.W. Norton & Co, 2011; *Scientific American* (Excerpt), January 30, 2012.

[M22] T. Maudlin, What the Nobel prize gets wrong about quantum mechanics, *IAI* 6 October, 2022.

[P97] F.D. Peat, *Infinite Potential: The Life and Time of David Bohm*, Addison-Wesley, Reading, 1997.

[QNR] *Quantum Nonlocality and Reality* 50 Years of Bell's Theorem, M. Bell, S. Gao eds. CUP, 2016.

[Sch] E. Schrödinger, Discussion of probability relations between separated systems, *Proc. Cambridge Phil. Soc.* **31** (1935) 555-563, **32** (1936) 446-451; -, Die gegenwärtige Situation in der Quantenmechanik, *Naturwissenschaften* **23** (1935) 807-812, 823-828, 844-849; J.D. Trimmer: The present situation in quantum mechanics: a translation of Schrödinger's "Cat paradox" paper, *Proc. Amer. Phil. Soc.* **124**:5 (1980) 323-338 (available online).

[W96] A. Whitaker, *Einstein, Bohr and the Quantum Dilemma*, Cambridge Univ. Press (CUP), 1996.

[W16] A. Whitaker, *John Stewart Bell and Twentieth-Century Physics*, Oxford Univ. Press, 2016.

[Wi96] D. Wick, *The Infamous Boundary - Seven Decades of Heresy in Quantum Physics*, Copernicus (1996).

[W18] E. Witten, Notes on some entanglement properties of quantum field theory, *Rev. Mod. Phys.* **90** (2018) 45003; arXiv:1803.04993.