

HPS/PHIL 93872

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Historical Foundations of the Quantum Theory

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Recommended Readings:

Amir Aczel. *Entanglement: The Unlikely Story of How Scientists, Mathematicians, and Philosophers Proved Einstein's Spookiest Theory*. New York: Plume, 2001.

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Philip Anderson. *More and Different: Notes from a Thoughtful Curmudgeon*. Singapore: World Scientific, 2011.

Jürgen Audretsch, ed. *Entangled World: The Fascination of Quantum Information and Computation*. Weinheim: Wiley-VCH, 2002.

Sunny Y. Auyang. *How is Quantum Field Theory Possible?* New York: Oxford University Press, 1995.

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Jim Baggot. *The Quantum Story: A History in 40 Moments*. Oxford: Oxford University Press, 2011.

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Mara Beller. *Quantum Dialogue: The Making of a Revolution*. Chicago: University of Chicago Press, 1999.

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- Laurie Brown, Abraham Pais, and Sir Brian Pippard, eds. *Twentieth Century Physics*, 3 vols. New York: American Institute of Physics Press, 1995.
- Colin Bruce. *Schrödinger's Rabbits: The Many Worlds of Quantum*. Washington, DC: Joseph Henry Press, 2004.
- Jeffrey Bub. *Interpreting the Quantum World*. Cambridge: Cambridge University Press, 1997.
- Jeremy Butterfield and Constantine Pagonis, eds. *From Physics to Philosophy*. Cambridge: Cambridge University Press, 1999.
- Craig Callender and Nick Huggett, eds. *Physics Meets Philosophy at the Planck Scale: Contemporary Theories in Quantum Gravity*. Cambridge: Cambridge University Press, 2001.
- Kristian Camilleri. *Heisenberg and the Interpretation of Quantum Mechanics: The Physicist as Philosopher*. Cambridge: Cambridge University Press, 2009.
- Cao Tian Yu. *Conceptual Developments of 20th Century Field Theories*. Cambridge: Cambridge University Press, 1997.
- Cao Tian Yu. *From Current Algebra to Quantum Chromodynamics: A Case for Structural Realism*. Cambridge: Cambridge University Press, 2010.
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