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In 2009 Merzbacher was the recipient of the Francis Slack Award from the Southeastern Section of the American Physical Society. Merzbacher's research has been in applications of quantum mechanics to atomic and nuclear collision theory. He was a co-founder of the Triangle Universities Nuclear Laboratory, supported by the U.S. Department of Energy.

### **Eugen Merzbacher - Wikipedia**

Quantum Mechanics-II, Physics 911 (Wysin) ... Quantum Mechanics, Third Edition, by Eugen Merzbacher, John Wiley and Sons, (1998) (primary text). Quantum Mechanics, by Albert Messiah, North Holland Publishing Co. (1961). ... The ultimate source of these notes is Messiah and Merzbacher.

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start, in Chapter 3, by examining how many of the central ideas of quantum mechanics are a direct consequence of wave-particle duality—i.e., the concept that waves sometimes act as particles, and particles as waves. We shall then proceed to investigate the rules of quantum mechanics in a more systematic fashion in Chapter 4. Quantum mechanics is

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PROBLEM SETS: Please deliver solutions to problem sets by Thursday, at the lecture, ... Quantum Mechanics, E. Merzbacher (John Wiley, 1990). Quantum Mechanics and Path Integrals, R.P. Feynman

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