

Theoretical Femtosecond Physics Atoms And Molecules In Strong Laser Fields Graduate Texts In Physics

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This textbook extends from the basics of femtosecond physics all the way to some of the latest developments in the field. In this updated edition, the chapter on laser-driven atoms is augmented by the discussion of two-electron atoms interacting with strong and short laser pulses, as well as by a review of ATI rings and low energy structures in photo-electron spectra.

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Theoretical Femtosecond Physics: Atoms and Molecules in Strong Laser Fields (Graduate Texts in Physics) - Kindle edition by Grossmann, Frank. Download it once and read it on your Kindle device, PC, phones or tablets. Use features like bookmarks, note taking and highlighting while reading Theoretical Femtosecond Physics: Atoms and Molecules in Strong Laser Fields (Graduate Texts in Physics).

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Theoretical Femtosecond Physics: Atoms and Molecules in Strong Laser Fields , Frank Grossmann , Springer, Berlin, 2008. \$149.95 (214 pp.). ISBN 978-3-540-77896-7 Buy at Amazon The past two decades have brought rapid advances in the field of femtosecond physics, advances that began with such unexpected experimental discoveries as high-order harmonic generation and the generation of attosecond extreme UV pulses.

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Theoretical Femtosecond Physics-Frank Grossmann 2008-07-24 This volume offers theoretical investigations of atoms and molecules interacting with pulsed or continuous wave lasers. Theoretical background is included, and the text incorporates several exercises. Additional calculations are performed in the appendices. Femtosecond Physics: Laser-Matter Interaction Theory-Stefano Spezia 2018-12 Femtosecond Physics: Laser-

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Nonetheless, the students are participating in weekly meetings with scientists at SLAC planning the experiment and providing the necessary theoretical physics background for the experiment as part of their honors research work. UMW Femtosecond Laser Lab. UM W has its own femtosecond laser lab on campus. The laser itself is now being assembled ...

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