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Laser Spectroscopy: Basic Concepts and Instrumentation ...

Laser spectroscopy: Basic concepts and instrumentation Demtroeder, W.

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## Laser Spectroscopy - HyperPhysics Concepts

In laser spectroscopy, chemists train a laser beam on a sample, yielding a characteristic light source that can be analyzed by a spectrometer. But laser spectroscopy falls into several different schools, depending on what kind of laser chemists favor and which aspect of an atom's excited response they study.

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Let's look at some of these more closely.

Overview of Laser Spectroscopy | HowStuffWorks

Laser Spectroscopy: Basic Concepts and Instrumentation. Wolfgang Demtröder. Springer Science & Business Media, Oct 8, 2002 - Technology & Engineering - 986 pages. 3 Reviews. Keeping abreast of the latest techniques and applications, this new edition of the standard reference and graduate text on laser spectroscopy has been completely revised ...

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Laser spectroscopy: Basic concepts and instrumentation ...

P. Werle, in Laser Spectroscopy for Sensing, 2014. 3.5 Conclusion. Laser

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spectroscopy is a versatile diagnostic tool for analytical applications and recent advances in semiconductor laser technology (QCL, DFB, VCSEL) combined with selective and sensitive spectroscopic detection techniques have led to the development of new diagnostic tools for trace gas and isotope analysis.

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