



Innsbruck Physics Colloquium

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Laser Spectroscopy: Historical Survey and Present Status

After the invention of lasers and the development of narrow-band tunable lasers the necessary tools were available for sensitive high-resolution laser spectroscopy. This progress in sensitivity and spectral resolution is illustrated by some examples of saturation spectroscopy, intra-cavity high-sensitivity spectroscopy, modulation spectroscopy and ultra-precision spectroscopy of transitions in the hydrogen atom as performed by Th. Hänsch. New methods of fast and high resolution molecular spectroscopy using optical frequency combs are explained and compared with classical techniques.

Tuesday, 21.1.2020, at 17:15 h in lecture hall C

Innsbruck Physics Colloquium, Organisation: M. Beyer, H.-C. Nägerl, A. Reimer