NPTEL Video Course - Physics - Special Topics in Atomic Physics

Subject Co-ordinator - Prof. P.C. Deshmukh

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Atomic Probes - Time reversal symmetry - applications in atomic collisions and photoionization p
Lecture 31 - Atomic Photoionization cross sections, angular distributions of photoelectrons - 1
Lecture 32 - Atomic Photoionization cross sections, angular distributions of photoelectrons - 2
Lecture 33 - Atomic Photoionization cross sections, angular distributions of photoelectrons - 3
Lecture 34 - Atomic Photoionization cross sections, angular distributions of photoelectrons - 4
Lecture 35 - Atomic Photoionization cross sections, angular distributions of photoelectrons Cooper Zare Formu
Lecture 36 - Stark- Zeeman Spectroscopy - Stark effect
Lecture 37 - Stark- Zeeman Spectroscopy - Stark effect on n=2 excited state of the H atom Zeeman effect
Lecture 38 - Stark- Zeeman Spectroscopy - Normal, Anomalous Zeeman effect; Paschen- Back effect
Lecture 39 - Stark- Zeeman Spectroscopy - Anomalous Zeeman effect
Lecture 40 - Zeeman effect Fine structure, Hyperfine structure - Elemental, rudimentary introduction to Laser