

# Introduction to the theory of the Raman effect.

## Reidel - Introduction to the Theory of the Raman Effect



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### Raman: Theory

When photons are , most of them are , such that the scattered photons have the same energy , and color as the incident photons but different direction.

### Introduction to the Theory of the Raman Effect

Therefore, the rate of transitions from the more populated lower state to the upper state Stokes transitions will be higher than in the opposite direction anti-Stokes transitions.

### Introduction to the Theory of the Raman Effect

The effect is exploited by chemists and physicists to gain information about materials for a variety of purposes by performing various forms of.

### Raman Effect

The process of such radiation through monochromatic radiation is the Raman spectroscopy principle.

### Introduction to Raman Spectroscopy

Raman Spectroscopy Principle When the monochromatic radiation is traversed on the given sample in such manner that radiation may get scattered, absorbed, or reflected.

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