

Physics: CINEMA CLASSICS

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PHYSICSviews™

Physics: CINEMA CLASSICS DVD 6 Angular Momentum and Modern Physics

Angular Momentum

A Spinning Bicycle Wheel (PSSC, 1962)
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Torques on a Bicycle Wheel (PSSC, 1962)
Mystery Sphere (PSSC, 1962)
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Atoms, Molecules and Models

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Electrochemical Cell (EBEC, 1982)
Atomic Motion: A Microscopic View (PSSC, 1961)
Thomson Model of the Atom (PP, 1968)
The Rutherford Atom: The Experiment (PSSC, 1961)
The Rutherford Atom: Classical Analogies
(PSSC, 1961)
The Rutherford Atom: Computer Simulation
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Bohr Model of the Atom (EBEC, 1961, 1975)
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Photons and X-rays

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(PSSC, 1961)
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Production of X-rays (NAP, 1950)

Electrons

Properties of Electrons (EBEC, 1961, 1970)
The Cathode Ray Oscilloscope (EBEC, 1970)
Millikan Experiment (PSSC, 1959)

Particles and Waves

Comparing Particles and Waves (PSSC, 1961)
Electron Diffraction (PSSC, 1961)
Davisson-Germer Experiment: First Detection of
Matter Waves (PSSC, 1961)
G.P. Thomson's Experiment: Early Detection of Matter
Waves (PSSC, 1961)
Wave Model of the Atom (PP, 1968; EBEC, 1971)

Nuclear Physics

Radioactive Decay (EBEC, 1975)
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Discovery of the Neutron: A Mechanical Analogy
(PP, 1968)
Fission (EBEC, 1975)
The Bomb (PSSC, 1959; EBEC, 1975)
A Nuclear Reactor (EBEC, 1975)

Condensed Matter

Crystal Lattices (NAP, 1950)
X-ray Diffraction (NAP, 1950)
Crystal Models (NAP, 1950)

Source Codes

Ealing	Ealing Films
EBEC	Encyclopaedia Britannica Educational Corp.
ESS	Elementary Science Study films
MH	McGraw-Hill Inc.
NA	Newton's Apple television series
NAP	North American Philips Corporation
PF	Phoenix Films and Video, Inc.
PP	Project Physics films
PSSC	Physical Science Study Committee films
VA	Visual Almanac, Apple Computer, Inc.

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