











J.J. Thomson	Electron	U.K.
Marie Sklodowska Curie	Discovery of radium and polonium, Studies on natural radioactivity	Poland
Albert Einstein	Explanation of photoelectric effect, Theory of relativity	Germany
Victor Francis Hess	Cosmic radiation	Austria
R.A. Millikan	Measurement of electronic charge	U.S.A
Ernest Rutherford	Nuclear model of atom	New Zealand
Niels Bohr	Quantum model of hydrogen atom	Denmark
C.V. Raman	Inelastic scattering of light by molecules	India
Louis Victor de Broglie	Wave nature of matter	France
M.N. Saha	Thermal ionization	India
S.N. Bose	Quantum statistics	India
Wolfgang Pauli	Exclusion principle	Austria
Enrico Fermi	Controlled nuclear fission	Italy
Werner Heisenberg	Quantum mechanics, Uncertainty principle	Germany
Paul Dirac	Relativistic theory of electron, Quantum statistics	U.K.
Edwin Hubble	Expanding universe	U.S.A
Ernest Orlando Lawrence	Cyclotron	U.S.A
James Chadwick	Neutron	U.K.
Hideki Yukawa	Theory of nuclear forces	Japan
Homi Jahangir Bhabha	Cascade process of cosmic radiation	India
Lev Davidovich Landau	Theory of condensed matter, Liquid	Russia

	helium	
S. Chandrasekhar	Chandrasekhar limit, structure and evolution of stars	India
John Bardeen	Transistors, Theory of super conductivity	U.S.A
C.H. Townes	Maser, Laser	U.S.A
Abdus Salam	Unification of weak and electromagnetic interactions	Pakistan
Wolfgang Pauli	Neutrino in $\beta$ - decay	Austria

★ **Link between Technology and Law/Phenomenon in Physics**

Technology	Law/Phenomenon in Physics
Steam engine	Laws of thermodynamics
Nuclear reactor	Controlled nuclear fission
Radio and Television	Generation, propagation and detection of electromagnetic waves
Computers	Digital logic
Lasers	Light amplification by stimulated emission of radiation, Amplification by population inversion
Production of ultrahigh magnetic fields	Superconductivity
Rocket propulsion	Newton's laws of motion
Electric generator	Faraday's laws of electromagnetic induction
Hydroelectric power	Conversion of gravitational potential energy into electrical energy
Aero plane	Bernoulli's principle in fluid dynamics

Particle accelerators	Motion of charged particles in electromagnetic fields
Sonar	Reflection of ultrasonic waves
Optical fibers	Total internal reflection of light
Non-reflecting coatings	Thin film optical interference
Electron microscope	Wave nature of electrons
Photocell	Photoelectric effect
Fusion test reactor ( Tokamak )	Magnetic confinement of plasma
Giant Metre wave Radio Telescope (GMRT)	Detection of cosmic radio waves
Bose-Einstein condensate	Trapping and cooling of atoms by laser beams and magnetic fields

