

Winners of the Nobel Prize in Physics 1980 – 1991

Year	Winners	Country	Reason
1980	James Watson Cronin	USA	"for the discovery of violations of fundamental symmetry principles in the decay of neutral K-mesons"
	Val Logsdon Fitch	USA	
1981	Nicolaas Bloembergen	Netherlands, USA	"for their contribution to the development of laser spectroscopy"
	Arthur Leonard Schawlow	USA	
	Kai Manne Börje Siegbahn	Sweden	"for his contribution to the development of high-resolution electron spectroscopy"
1982	Kenneth G. Wilson	USA	"for theory for critical phenomena in connection with phase transitions"
1983	Subrahmanyan Chandrasekhar	India, USA	"for theoretical studies of the physical processes of importance to the structure and evolution of the stars"
	William Alfred Fowler	USA	"for theoretical and experimental studies of the nuclear reactions of importance in the formation of the chemical elements in the universe"
1984	Carlo Rubbia	Italy	"for decisive contributions to the large project, which led to the discovery of the field particles W and Z, communicators of weak interaction"
	Simon van der Meer	Netherlands	
1985	Klaus von Klitzing	West Germany	"for the discovery of the quantized Hall effect"
1986	Ernst Ruska	West Germany	"for fundamental work in electron optics, and for the design of the first electron microscope"
	Gerd Binnig	West Germany	"for their design of the scanning tunneling microscope"
	Heinrich Rohrer	Switzerland	
1987	Johannes Georg Bednorz	West Germany	"for their important break-through in the discovery of superconductivity in ceramic materials"
	Karl Alexander Müller	Switzerland	
1988	Leon Max Lederman	USA	"for the neutrino beam method and the demonstration of the doublet structure of the leptons through the discovery of the muon neutrino"
	Melvin Schwartz	USA	
	Jack Steinberger	USA	
1989	Norman Foster Ramsey	USA	"for the invention of the separated oscillatory fields method and its use in the hydrogen maser and other atomic clocks"
	Hans Georg Dehmelt	USA, West Germany	"for the development of the ion trap technique"
	Wolfgang Paul	West Germany	
1990	Jerome I. Friedman	USA	"for their pioneering investigations concerning deep inelastic scattering of electrons on protons and bound neutrons"
	Henry Way Kendall	USA	
	Richard E. Taylor	Canada	
1991	Pierre-Gilles de Gennes	France	"for discovering that methods developed for studying order phenomena in simple systems can be generalized to more complex forms of matter"

Winners of the Nobel Prize in Physics 1992 – 2002

Year	Winners	Country	Reason
1992	Georges Charpak	France, Poland	"for his invention and development of particle detectors, in particular the multiwire proportional chamber"
	Val Logsdon Fitch	USA	
1993	Russell Alan Hulse	USA	"for the discovery of a new type of pulsar, a discovery that has opened up new possibilities for the study of gravitation"
1994	Bertram Brockhouse	Canada	"for the development of neutron spectroscopy" and "for pioneering contributions to the development of neutron scattering techniques for studies of condensed matter"
	Clifford Glenwood Shull	USA	"for the development of the neutron diffraction technique" and "for pioneering contributions to the development of neutron scattering techniques for studies of condensed matter"
1995	Martin Lewis Perl	USA	"for the discovery of the tau lepton" and "for pioneering experimental contributions to lepton physics"
	Frederick Reines	USA	"for the detection of the neutrino" and "for pioneering experimental contributions to lepton physics"
1996	David Morris Lee	USA	"for their discovery of superfluidity in helium-3"
	Douglas D. Osheroff	USA	
	Robert Coleman Richardson	USA	
1997	Steven Chu	USA	"for development of methods to cool and trap atoms with laser light."
	Claude Cohen-Tannoudji	France	
	William Daniel Phillips	USA	
1998	Robert B. Laughlin	USA	"for their discovery of a new form of quantum fluid with fractionally charged excitations"
	Horst Ludwig Störmer	Germany	
	Daniel Chee Tsui	China, USA	
1999	Gerard 't Hooft	Netherlands	"for elucidating the quantum structure of electroweak interactions in physics"
	Martinus J. G. Veltman	Netherlands	
2000	Zhores Ivanovich Alferov	Russia	"for developing semiconductor heterostructures used in high-speed- and optoelectronics"
	Herbert Kroemer	Germany	
	Jack St. Clair Kilby	USA	"for his part in the invention of the integrated circuit"
2001	Eric Allin Cornell	USA	"for the achievement of Bose-Einstein condensation in dilute gases of alkali atoms, and for early fundamental studies of the properties of the condensates"
	Carl Edwin Wieman	USA	
	Wolfgang Ketterle	Germany	
2002	Raymond Davis Jr.	USA	"for pioneering contributions to astrophysics, in particular for the detection of cosmic neutrinos"
	Masatoshi Koshiba	Japan	
	Riccardo Giacconi	Italy, USA	"for pioneering contributions to astrophysics, which have led to the discovery of cosmic X-ray sources"

Winners of the Nobel Prize in Physics 2003 – 2013

Year	Winners	Country	Reason
2003	Alexei Alexeyevich Abrikosov	Russia, USA	"for pioneering contributions to the theory of superconductors and superfluids"
	Vitaly Lazarevich Ginzburg	Russia	
	Anthony James Leggett	UK, USA	
2004	David J. Gross	USA	"for the discovery of asymptotic freedom in the theory of the strong interaction"
	Hugh David Politzer	USA	
	Frank Wilczek	USA	
2005	Roy J. Glauber	USA	"for his contribution to the quantum theory of optical coherence"
	John L. Hall	USA	"for their contributions to the development of laser-based precision spectroscopy, including the optical frequency comb technique"
	Theodor W. Hänsch	Germany	
2006	John C. Mather	USA	"for their discovery of the blackbody form and anisotropy of the cosmic microwave background radiation"
	George F. Smoot	USA	
2007	Albert Fert	France	"for the discovery of giant magnetoresistance"
	Peter Grünberg	Germany	
2008	Makoto Kobayashi	Japan	"for the discovery of the origin of the broken symmetry which predicts the existence of at least three families of quarks in nature"
	Toshihide Maskawa	Japan	
	Yoichiro Nambu	Japan, USA	"for the discovery of the mechanism of spontaneous broken symmetry in subatomic physics"
2009	Charles K. Kao	Hong Kong, UK, USA	"for groundbreaking achievements concerning the transmission of light in fibers for optical communication"
	Willard S. Boyle	Canada, USA	"for the invention of an imaging semiconductor circuit – the CCD sensor"
	George E. Smith	United States	
2010	Andre Geim	Russia, UK, Netherlands	"for groundbreaking experiments regarding the two-dimensional material graphene"
	Konstantin Novoselov	Russia, UK	
2011	Saul Perlmutter	USA	"for the discovery of the accelerating expansion of the Universe through observations of distant supernovae"
	Brian P. Schmidt	Australia, USA	
	Adam G. Riess	USA	
2012	Serge Haroche	France	"for ground-breaking experimental methods that enable measuring and manipulation of individual quantum systems."
	David J. Wineland	USA	
2013	François Englert	Belgium	"for the theoretical discovery of a mechanism that contributes to our understanding of the origin of mass of subatomic particles"
	Peter Higgs	UK	

Winners of the Nobel Prize in Physics 2014 – 2021

Year	Winners	Country	Reason
2014	Isamu Akasaki	Japan	"for the invention of efficient blue light-emitting diodes which has enabled bright and energy-saving white light sources"
	Hiroshi Amano	Japan	
	Shuji Nakamura	Japan, USA	
2015	Takaaki Kajita	Japan	"for the discovery of neutrino oscillations, which shows that neutrinos have mass"
	Arthur B. McDonald	Canada	
2016	David J. Thouless	UK	"for theoretical discoveries of topological phase transitions and topological phases of matter"
	F. Duncan M. Haldane	UK, Slovenia	
	John M. Kosterlitz	UK, USA	
2017	Rainer Weiss	Germany, USA	"for decisive contributions to the LIGO detector and the observation of gravitational waves"
	Kip Thorne	USA	
	Barry Barish	USA	
2018	Arthur Ashkin	USA	"for groundbreaking inventions in the field of laser physics", in particular "for the optical tweezers and their application to biological systems"
	Gérard Mourou	France	"for groundbreaking inventions in the field of laser physics", in particular "for
	Donna Strickland	Canada	
2019	James Peebles	Canada, USA	"for theoretical discoveries in physical cosmology"
	Michel Mayor	Switzerland	"for the discovery of an exoplanet orbiting a solar-type star"
	Didier Queloz	Switzerland	
2020	Roger Penrose	UK	"for the discovery that black hole formation is a robust prediction of the general theory of relativity"
	Reinhard Genzel	Germany	"for the discovery of a supermassive compact object at the centre of our galaxy"
	Andrea Ghez	USA	
2021	Syukuro Manabe	Japan, USA	"for the physical modelling of Earth's climate, quantifying variability and reliably predicting global warming"
	Klaus Hasselmann	Germany	
	Giorgio Parisi	Italy	"for the discovery of the interplay of disorder and fluctuations in physical systems from atomic to planetary scales"