

Analyses and Judgments of Nobel Prizes in Physics

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1. Review
Statistical analyses are conducted to investigate the Nobel prizes in physics, which begins from the year of 1901 to nowadays. The sub-disciplines of all Nobel prizes in physics are dissected and categorized. These categories include astrophysics, particle physics, optical physics, quantum physics, as well as materials physics. In view of the overall distribution and awarding trends, astrophysics, materials physics and optical physics can be said

to be at the forefront. The golden period of quantum physics occurred in the first half of 20th century. while the golden age of particle physics was in the latter half of last century. China have strong competences and rich human resources in materials physics and optical physics. However, there might exist some gaps to be mediated, when compared with some developed countries in astrophysics, particle physics as well as quantum physics.

The Sub-Discipline Category of Annual Nobel Prize in Physics.

Materials physics	Astrophysics	Particle physics	Optics	Quantum physics
1913,1914,1915	1901,1903,1905	1935,1936,1938	1902,1907,1908	1904,1906,1910
1920,1926,1937	1911,1917,1948	1949,1950,1957	1909,1912,1919	1918,1921,1922
1956,1962,1970	1967,1974,1978	1959,1963,1965	1924,1930,1939	1923,1925,1927
1972,1973,1977	1983,1993,2002	1968,1969,1976	1952,1953,1955	1928,1929,1932
1982,1985,1987	2006,2011,2017	1979,1980,1984	1961,1964,1966	1933,1943,1944
1991,1994,1996	2019,2020,2021	1988,1990,1995	1971,1981,1986	1945,1951,1954
1998,2000,2001	1946(High-pres	1999,2004,2008	1992,2005,2007	1958,1960,1975
2003,2010,2014	sure physics)	2013,2015	2009,2018,2023	1989,1997,2012
2016, 2025	1947(Atmosph			2022
	eric physics)			