

Nobel prizes for the discovery of elementary particles

	name	discovered	Nobel prize
e^-	electron	1896(Thomson)	1906
ν_e	electron neutrino	1956(Reines)	1995
μ^-	muon (mu lepton)	1936(Anderson)	
ν_μ	muon neutrino	1962(Lederman/Schwartz/Steinberger)	1988
τ^-	tauon (tau lepton)	1975(Perl)	1995
ν_τ	tau neutrino	1977(Perl)	
u	up quark	1911(Rutherford ¹)	
d	down quark	1932(Chadwick ²)	1935
c	charm quark	1974(Richter/Ting)	1976
s	strange quark	1964(Gell-Mann ³)/1968(Friedman et al ⁴)	1969/1990
t	top (truth) quark	1995(Carithers/Grannis)	
b	bottom (beauty) quark	1977(Lederman)	
e^+	positron	1928(Dirac)/1933(Anderson)	1933/1936
γ	photon	1905(Einstein)	1921
g	gluons	\sim 1970(Friedman/Kendall/Taylor ⁵)	1990
W^\pm, Z^0	weak bosons	1983(Rubbia/van der Meer)	1984
H^0	Higgs boson	1964(Higgs et al)/2012(CERN-LHC)	2013

¹Discovered proton = uud.

²Discovered neutron = udd.

³Developed quark model for uds.

⁴Observed quark structure in nucleons.

⁵Observed deep inelastic scattering.