

PHYSICS MILESTONES

A Chronological Evolution of Universal Understanding

1687

Laws of Motion & Universal Gravitation

Isaac Newton

Established the foundations of classical mechanics in "Philosophiæ Naturalis Principia Mathematica".

1865

Electromagnetic Field Theory

James Clerk Maxwell

Unified electricity, magnetism, and light as manifestations of the same phenomenon.

1905

Special Relativity & Photoelectric Effect

Albert Einstein

Introduced $E=mc^2$ and proposed that light consists of discrete energy quanta (photons).

1915

General Relativity

Albert Einstein

Redefined gravity as the curvature of spacetime caused by mass and energy.

1927

The Uncertainty Principle

Werner Heisenberg

A fundamental limit to the precision with which certain pairs of physical properties can be known.

1964

Existence of Quarks

Murray Gell-Mann / George Zweig

Proposed the subatomic particles that make up protons and neutrons.

2012

Higgs Boson Discovery

CERN (LHC)

Confirmed the existence of the field that gives mass to fundamental particles.