



Abdus Salam



Jhang, Pakistan, 29 Jan. 1926 - Oxford, UK, 21 Nov. 1996

Title Professor of Physics, International Centre for Theoretical Physics, Trieste, Italy. Nobel laureate in Physics, 1979

Nomination 12 May 1981

Summary of scientific research

Scientific contributions: research on physics of elementary particles. Particular contributions: two-component neutrino and parity violation in weak interaction; gauge unification of weak and electromagnetic interactions; predicted existence of weak neutral currents and W, Z particles before their experimental discovery; symmetry properties of elementary particles; unitary symmetry; renormalization theory; gravity theory and its role in particle physics; two tensor theory of gravity and strong interaction physics; unification of electroweak with strong nuclear forces, grand (electronuclear) unification; and related prediction of proton-decay; supersymmetry theory, in particular, superspace and superfields.