

Download Constructing Quarks: A Sociological History Of Particle Physics

A quark (/kwɔːrk, kwɔːrk/) is a type of elementary particle and a fundamental constituent of matter. Quarks combine to form composite particles called hadrons, the most stable of which are protons and neutrons, the components of atomic nuclei. Due to a phenomenon known as color confinement, quarks are never directly observed or found in isolation; they can be found only within ... The top quark, also known as the t quark (symbol: t) or truth quark, is the most massive of all observed elementary particles. Like all quarks, the top quark is a fermion with spin $1/2$, and experiences all four fundamental interactions: gravitation, electromagnetism, weak interactions, and strong interactions. It has an electric charge of $+2/3 e$. It has a mass of $173.0 \pm 0.4 \text{ GeV}/c^2$, which ... Modelul Standard (SM) este sistemul teoretic formulat în 1974 care descrie toate particulele elementare cunoscute până în prezent, plus bosonul Higgs. Acest model conține 6 tipuri de quarcuri, care se numesc: up, down, charm, strange, top și bottom. Masa particulelor elementare ar rezulta din interacțiile particulelor elementare cu bosonii Higgs când acestea se află în mișcare în ... How Constructed Scientific Facts be Socially Constructed? Alan Nelson Introduction: The Dispute Between Constructivists and Rationalists A NUMBER of innovative case studies of episodes in the history of science have appeared in recent years that are plausibly called constructivist. - Constructing Quarks: A Sociological History Of Particle Physics