

quarks mesons and nuclei pdf

A proton is composed of two up quarks, one down quark, and the gluons that mediate the forces "binding" them together. The color assignment of individual quarks is arbitrary, but all three colors must be present.

Quark - Wikipedia

Fermions are one of the two fundamental classes of particles, the other being bosons. Fermion particles are described by Fermi–Dirac statistics and have quantum numbers described by the Pauli exclusion principle. They include the quarks and leptons, as well as any composite particles consisting of an odd number of these, such as all baryons and many atoms and nuclei.

List of particles - Wikipedia

Un méson est, en physique des particules, une particule composite (c'est-à-dire non élémentaire) composée d'un nombre pair de quarks et d'antiquarks.. Le terme « méson » vient du grec mesos qui signifie milieu.

Méson à Wikipédia

«In 1963, when I assigned the name "quark" to the fundamental constituents of the nucleon, I had the sound first, without the spelling, which could have been "kwork".

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