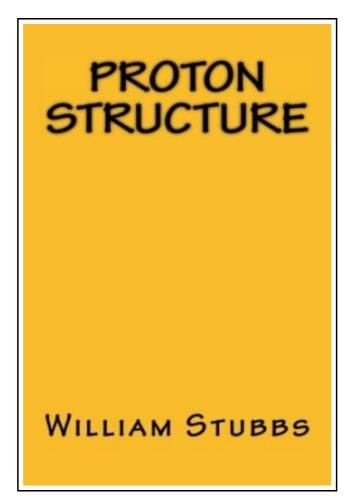
# **Proton Structure**



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# Reviews

Comprehensive manual for ebook fans. I am quite late in start reading this one, but better then never. Its been written in an exceptionally basic way and is particularly merely soon after i finished reading this publication in which really changed me, affect the way in my opinion.

(Prof. Antone Olson II)

#### PROTON STRUCTURE



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Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*. Proton Structure reexamines the original deep inelastic scattering data generated by the Stanford Linear Accelerator Center (SLAC) in the late 1960s and early 1970s. It shows that the proton and the deuteron structure functions appear to peak at a proton momentum fraction of 1/9. This indicates that the proton (and the neutron) is made of nine particles. Based on their masses and charges, it proposes that those particles are four muons and five antimuons. Proton Structure then examines the proton structure function further using data generated by the Hadron Electron Ring Accelerator (HERA) in 1993. The HERA electron scatterings occurred at energies significantly higher than the ones in the SLAC experiments. This provided a much higher resolution of the inside of the proton. Proton Structure analyzes the HERA data for momentum fraction less than the SLAC peak value of 1/9. It shows that the HERA data actually produces a structure function curve for the muons inside the proton. The structure function curve for the muon peaks at a muon momentum fraction of 1/203. This indicates that the muon is made of 203 particles. Based on their masses and charges, Proton Structure proposes that the muons inside the proton are made of 102 electrons and 101 positrons. The antimuons are made of 101 electrons and 102 positrons. Free muons are made of 104 electrons and 103 positrons; and free antimuons, 103 electrons and 104 positrons. Proton Structure notes that the SLAC structure functions, which revealed the muons, peak at about 1/3 instead of 1. It shows this indicates the muons and antimuons inside the proton configure themselves in clusters of three. Proton Structure calls these clusters trimuons and discusses two types...



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