Abstract Submitted
for the DNP13 Meeting of
The American Physical Society

Law of Electron Emission Beta Decay WILLIAM WEBB, Retired — All atoms start as barren dark matter NeutroniumA string-like quark threesomes. The Nuclear Strong Force for string-like quark threesomes has its maximum when the ratio of the accumulated charge on the positive quarks to the accumulated charge on the negative quarks is 77%. All NeutroniumAs, with atomic number zero have the smallest possible accumulated charge ratio 50%. All nuclei having an accumulated charge ratio less than 77% will beta decay by electron emission. All 233 least massive nuclei agree with this law. All nuclei with an accumulated charge ratio larger than 77% are stable against electron emission beta decay. The most stable nucleus, the proton, has an accumulated charge ratio 200%. Nature provides nuclei with an accumulated charge ratio larger than 77% with a variety of acts they might use to emulate the proton. They can internally redistribute their charge, emit a positron or capture an electron.

William Webb
Retired

Date submitted: 26 Jun 2013 Electronic form version 1.4