

Abstract Submitted
for the MAR15 Meeting of
The American Physical Society

Using the IRC n-Tiered model to generate exact numeric solutions for possible leptons ARAN STUBBS, Inframatter Research Center — Our model has 3 tiers below leptons and quarks: proto-matter, mezzo-matter, and infra-matter. Each has characteristic tachyons binding together the lower level structures to produce the higher level. Each class of tachyon generates its own granularity constant. The proto-matter is bound by gravitons to form the leptons and quarks. The mezzo-matter is bound by mezzo-tachyons to form the proto-matter. The infra-matter is bound by infra-tachyons to form the mezzo-matter. 2 types of mezzo tachyons bind the mezzo-matter structures: a charge tachyon binding s mezzo-matter (with $l=0$), and a color tachyon binding structures with $l>0$. The s structure has 1 infra-tachyon and 1 infra-photon, in 1s orbits. The p structure has 7 of each: among 4 s sub-shells and 1 p. The d structure has 11 s sub-shells, 3 p, and 1 d. Etc. Based on the first 2 leptons, a solution for the energy of the s (charge) structure, and the p (color) structure were deduced, from which the other mezzo structures energies were generated. From the mezzo matter energy content, and a pattern of orbits at the proto-matter level, energies for the next few leptons were found (to 3 sig figs): 140 MeV, 827 MeV, 1780 MeV, and 4690 MeV.

Aran Stubbs
Inframatter Research Center

Date submitted: 06 Nov 2014

Electronic form version 1.4