

Abstract Submitted
for the APR17 Meeting of
The American Physical Society

Using the IRC model to quantize gravity ARAN STUBBS, Inframatter Research Center — In the IRC model, gravitons are low-energy tachyons trapped between and within sub-atomic particles by the Lorentz contraction. They perceive the tardyons trapping them as having length $L_V \approx L_0 * V/c$, which is $>$ the graviton's wavelength λ . Their frequency ν is minimal when $V \rightarrow \infty$, so $\nu_V = v_\infty * (1 + c^2/2V^2 + c^4/6V^4 + \dots)$. Within a quark or lepton, the proto-matter's orbit is always tangent to the orbit of the graviton, while external gravitons are only tangent for $\sim 10^{-21}$ of the proto-matter's orbit. With a 3-dimensional orbit, this gives the proto-matter a diameter $\sim 8 * 10^{-26}$ m. From the frequency locking assumed by the theory, this gives the gravitons a base frequency $\sim 1.2 * 10^{33}$ /sec. From the calculated diameter of the electron, 853 fm, the gravitons there have a $V \sim 10^{13}c$ and energy of ~ 38.6 KeV. This gives a rest energy of $\sim 4 * 10^{17}$ eV.

Aran Stubbs
Inframatter Research Center

Date submitted: 30 Sep 2016

Electronic form version 1.4