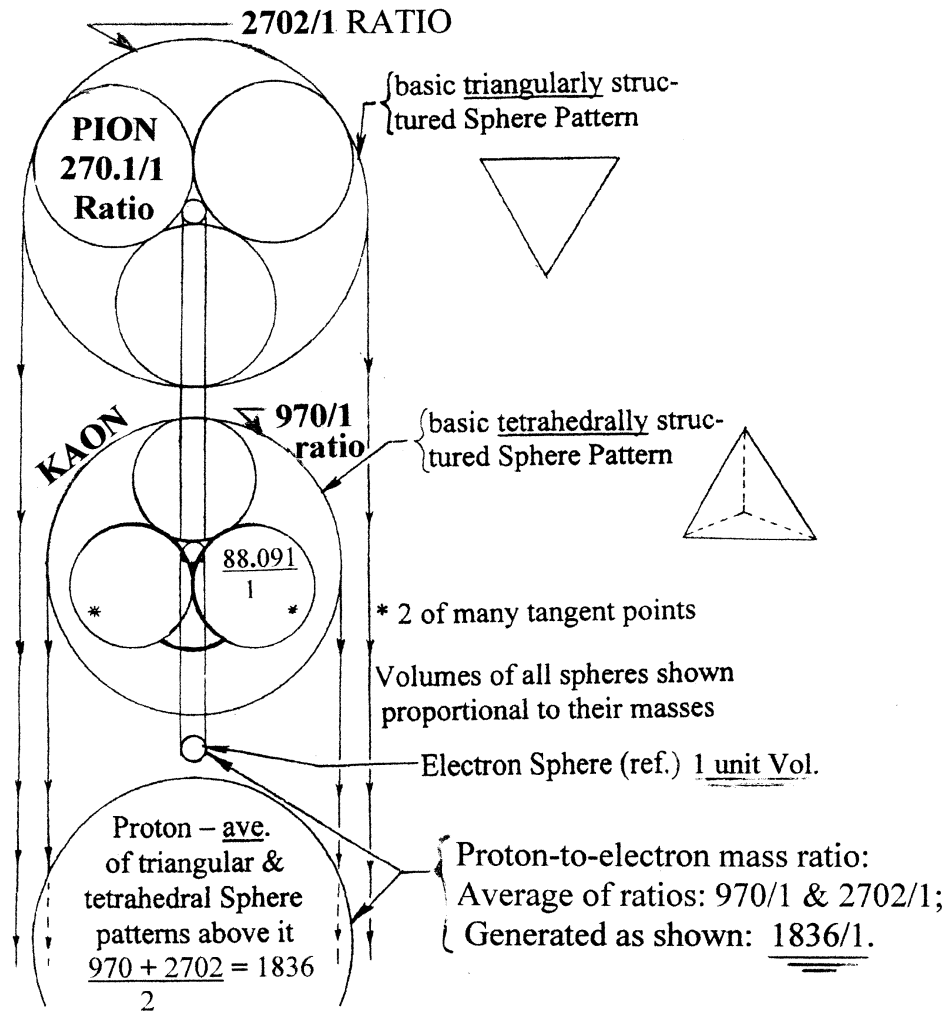


# Booklet of Large & Small Spheres in Patterns, and Large & Small Mass Particles

(For all Major Particle Groups in Physics)  
Carl R. Littmann, 8<sup>th</sup> Edit., 1-31-2014



**Fig. 1, the Proton-to-electron Ratio generated from two patterns above it. (Est., 1836.00/1)**

Lastly, we average the volume of the largest sphere in the top sketch with the largest sphere in the middle sketch, and draw a large sphere in the bottom sketch that is equal to that volumetric average.

And the resulting volumetric ratio of that large bottom sphere to our standard 'electron sphere' (shown above it) corresponds almost exactly to the empirical 'Proton-to-electron' particle mass ratio: (1836.15/1)