Abstract Submitted
for the APR18 Meeting of
The American Physical Society

A Revision to the IRC Model of Nuclear Structure ARAN STUBBS, Inframatter Research Center — The original IRC model used a least surface method of finding best fit for an A value using BCC structures of monoquarks and diquarks, resulting in Octahedra. For small nuclei this gave a satisfactory range of Z values. For A>180 the resultant Zs were too low. Rather than considering the structure as a unit, a better result comes from viewing the structure as a set of parallel diamond shaped sheets small to large to small, whose edge approaches circular. These sheets can be even (with a 2/2 center) or odd (with a 1/1). Nuclei can have even or odd numbers of even sheets, but only even numbers of odd sheets, to preserve parity. For sheets with an edge of 4 or above, the revised model gives additional surface that improves the A/Z ratio to include the known isotopes.

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Date submitted: 19 Jan 2018 Electronic form version 1.4