

Sub: My proposal in 1990 and 2004 that dark matter may have mass numbers 6 and 12. Dark energy is also dealt with.

I am writing in response to the article on Dark matter in the Indian Express July 25,10; p 13. I am a chemist who has arrived at strange conclusions, adversarial to the current theory, about the following.

1. Atomic structure based on chemistry.
2. Dark matter.
3. Wave particle duality and dark energy.

I make bold to address this to you because I had come close to your prediction of the mass number of the dark matter. I had predicted six and twelve as possible for the mass numbers of the dark particles. These would be inert chemically and spectrally but would undergo nuclear reactions. They are the parents of several elements.

Two premier chemistry editors (in 1990 and 2004) had conceded the rationality of my views on atomic structure and conclusions but would not dare publish the material. One more editor, Foundations of Science, was perplexed that he could not get a 'positive' review over 3 years (for the paper on light, 2005-2008 and sixty reviewers) and expressed regret at his inability to publish the views. Apparently his sympathies were with my views because he had earlier accepted a suggestion that rejection should be on rational grounds, not emotional ones.

A last editor was outright dishonest to claim that the submission of the light paper attached hereunto was not uploaded after referring to 26 specialists over 9 months (July 2008-March 2009).

I am referring to these episodes only to show that the material is controversial and not palatable for the theorist. We have made every effort to conform to the required standards in scientific reporting.

I am writing to you because I had come close to your prediction that dark matter may be as massive as five times of the proton.

I am presenting a summary of my views under the above heads.

1. Atomic structure.

The basic postulate of my model is that the nucleus plays a decisive role in atomic structure. The model is known as Unitary Model for atomic structure. The covalent chemistry of carbon, silicon and boron was explained logically. The model had been extended to cover the elements of the first two periods of the periodic table. The Chemistry part of the paper had been accepted as logical.

The papers are available if there is interest.

The main conclusion is that electrons (or more likely charges) "rise and subside" from the nucleus in the context of chemical bond formation and other interaction. The essential difference from the quantum model is that there is no perennial cloud of electrons around the nucleus.

The basic building block is the triangle of nucleons (1). This is most probably Helium-3. Tritium is the linear form. From this carbon-12 with a tetrahedron core (2) is formed. Boron-11 is similarly formed with the top nucleon absent (3). Both are formed through the intermediacy of an octahedron (Blue colored in 2&3).



(1)



(2)



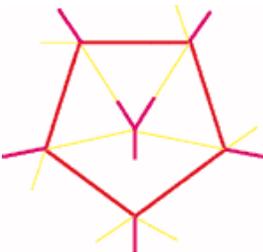
(3)

The octahedron is the first candidate for dark matter of mass (6). This will be chemically and spectrally inert. It would undergo nuclear reactions.

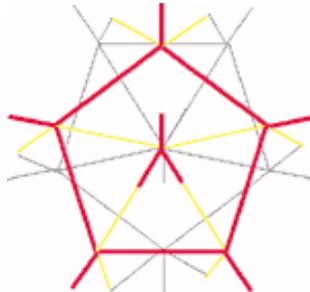
The absence of extraterrestrial He-3 is because it is all used up in nuclear reactions.

The second candidate is the icosahedron with twelve nucleons. This would also be chemically inert but would undergo nuclear reactions and is the intermediate for silicon (6).

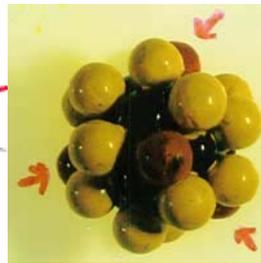
The hemi-icosahedron is shown in (4) The lines projecting outward are chemical bond directions. The full icosahedron is shown in (5). The yellow lines on the sides are the nuclear bonds between the two halves. The icosahedron is derived from the triangle through a triangular prism.



(4)



(5)



(6)

I am attaching a pdf version of this letter since the figures are not transmitted in email.

I am attaching a pdf version of the paper on light that shows that wave particle duality is not tenable.

Dark energy may be the inert forms of light AA&BB.

These views would look outlandish but are logically supported by evidence.

I would be glad to answer any queries or supply more information.

Yours truly,

Skb.

The papers on unitary model are available with me. I shall send them if there is interest.

The file is somewhat large (4mb)