EARTH’S CLIMATE AND SOLAR ENERGY, . . .
CONFIRMED PAUL KAZUO KURODA’S 1945 INSIGHT
INTO THE BEGINNING OF THE WORLD

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ABSTRACT

Early 20th Century discoveries by Einstein and Aston explained variations observed later in abundances of elements and isotopes [3-7], rest masses of atoms [8,9], climate-changing solar eruptions [10], and life's origin and evolution [11] in terms confirming Kuroda's 1945 insight into the beginning of the world (page2): “The sight before my eyes was just like the end of the world, but I also felt that the beginning of the world may have been just like this.”

1. “Strange xenon” (Xe-2) in outer parts of the solar system; “Normal xenon” (Xe-1) of rocky planets and meteorites is severely mass fractionated in the Sun.

2. “Strange xenon” (Xe-2) was made by the r- and p-processes of nucleosynthesis in outer, He-rich part of the supernova that birthed the solar system and formed gaseous planets like Jupiter of H & He.

3. Aston’s packing fraction correctly defined nuclear stability in terms of mass or energy, M/A. Weizsacker mistakenly calculated nuclear binding energy as energy loss from the dashed, sloping line.

4. Weizsacker’s nuclear binding energy exaggerates proton repulsion (Red dots, back) and hides neutron repulsion (Blue dots, front) in atoms, planets, stars, galaxies that triggers neutron-emission, neutron-decay to hydrogen, fragmentation and expansion of the universe.
5. Enriched lightweight s-products in the photosphere and noble gas isotopes in the solar wind show mass-fractionation (3-207 amu) and a solar interior of Fe, O, Ni, Si & S - like meteorites and rocky planets.

6. The Sun’s rocky mantle encases a pulsar remnant of the supernova that birthed the solar system 5 Ga ago and sustains atoms, lives and planets today, just like the one that birthed the Crab Nebula in 1054 AD.

REFERENCES


CONCLUSION:

Sane government policies protect society from real dangers - like impulsive solar eruptions that have reset civilization every 1,000 years - rather than plant nutrients, like CO2. This paper is scheduled for oral presentation at the London GeoEthics Conference at 10:00 am on 8 Sept 2016: https://geoethic.com/london-conference-2016/