

The CNO Cycle and Proton-Proton Chain Reaction Powering Stars is Pseudoscience

Jeffrey J. Wolynski
Jeffrey.wolynski@yahoo.com
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Cocoa, FL 32922

Abstract: The Carbon-Nitrogen-Oxygen (CNO) cycle and the Proton-Proton Chain Reaction processes supposedly powering stars are pseudoscientific.

In stellar metamorphosis stars are not the location for fusion reactions what so ever. Those reactions belong in objects which are powerful enough to fuse matter, such as quasars, Active Galactic Nuclei, pulsars and radio jets. Pseudoscience should be defined so that the reader is aware of what happened.

Pseudoscience: a discipline or approach that pretends to be or has a close resemblance to science

The CNO cycle and proton-proton chain reaction have never been demonstrated experimentally. They are theoretical have no experimental proof of concept, regardless if a whole 4 generations have passed since Carl von Weizsäcker and Hans Bethe invented the process independently in 1938 and 1939. There is no such thing as a “theoretical discovery”. In “theory” they made a discovery, and as of 2016 no evidence that the Sun or any star for that matter is powered by such processes has been produced. The pressure to save face is so strong in modern atomic researchers that they will lie about the results, avoid all contradicting evidence, ridicule any alternative theory, and make outrageous claims and support falsehoods until their last nail breaks, if it means their egos will be protected, and their careers secure.

We are not dealing with a question of scientific validity here, we are dealing with a group think of massive proportions matched in time only by the belief of the Earth being the center of the Universe. Only this time, the pressure to conform is ever present, as any dissident to prescribed knowledge is labeled as crank, crack pot, pseudoscientist or idiot. The truth is that any reader of these papers can wholeheartedly reject ALL of the claims made by establishment, and even the author. If a young researcher does not learn how to reject these ideas, as strongly as they are conditioned to accept them (both without examination beforehand of the scientific history and sociological consequences of such theories invented), then they are no better off than our religious forefathers, accepting the existence of a creator without examination and without question. It will become easier for younger minds to reject the pseudoscience, as it will become clearer what WAS pseudoscience as new, alternative, more encompassing, less contradictory realizations are made available.

The Sun was always assumed to be what we wanted it to be. First it was a God, then a planet (which is true in a sense), then a giant coal fire, then a nuclear reactor, etc. Its true nature was never really examined, what it did was reflect OUR nature, OUR culture and beliefs. Most recently in the atomic age, scientists sort of neglected the idea that maybe, just maybe, social constructs were becoming real, such as the idea of nuclear energy being the “end all be all” for all sorts of issues, such as nuclear powered cars, jets, spacecraft, toaster ovens, TV’s, etc. The

fact is the culture of the Nuclear Age made the Sun nuclear powered, and its true nature had yet to be determined. The textbooks were written up, the threat of making what powered the Sun wipe away cities with a push of a button became all too real. Making the Sun and all the stars in the night sky became a fad that stretched to all civilized nations, crossing the bounds of language and religion itself, the first real mathematical fad that didn't require the acceptance of similar spoken language.

Unfortunately it is a much more complex object than was previously realized, and in no portion reliant on theoretical models, it just is. Determining what it is actually doing will require much more time now, as we recover from the disillusionment of the most recent fad of a nuclear star. The Sun is a giant magnetohydrodynamic event which is evolving and changing clearly, probably into something that is much shockingly familiar than most are willing to accept, that is for sure, but to say we KNOW what the Sun is doing is but a lie. No scientist really knows what the internal workings of the Sun are. All we can do is make inferences with what we see in the heavens, to play a giant game of connect the dots. Placing our judgement on hold will become a much more valuable skill in the future, instead of accepting models invented by theorists before we even had satellites orbiting it. The challenge for the future is to remove our culture completely, and to allow ourselves to look at the stars with unassuming eyes, even after attaining educations which form our minds otherwise to peer into them without curiosity. The challenge will be to give the stars and celestial objects their transcendent qualities again, as Halton Arp did.