

From: Wally Manheimer <wallymanheimer@yahoo.com>
Date: Fri, 27 Jul 2012 09:48:52 -0700 (PDT)
To: <r-rosner@uchicago.edu>
Cc: Lydia Veliko <lydiav@uchicago.edu>
Subject: July FESAC Meeting

Dear Dr. Rosner:

Unfortunately I will not be able to attend the July meeting, but I would like to go on record with several thoughts on the fusion project. I am a plasma scientist and have spent considerable time working on fusion, both magnetic and inertial over the course of my career. Over more than the past decade I have become convinced that the conventional approach we are pursuing will not be productive, and have proposed another approach, fission suppressed hybrid fusion, or more briefly fusion breeding. I have recently argued for this in the letters to the editor page of Physics Today, May 2012. Attached is a link.

http://www.physicstoday.org/resource/1/phtoad/v65/i5/p12_s1?bypassSSO=1

I have published articles on this topic over about the last 15 years. About a year ago I summarized this in The Forum on Physics and Society, April 2011. A link is below:

<http://www.aps.org/units/fps/newsletters/201104/manheimer.cfm>

This paper has many of the appropriate references, mine and others.

On a related topic, with the completion of NIF in LLNL, and the seeming decay of the American magnetic fusion program (it was recently announced that Alcator will likely be shut down), I argued, again in the Physics Today Letters to the editor (August 2011) that American fusion resources were better spent on inertial fusion, and that the rest of the world should pursue magnetic fusion. A link to the letter (as well as a comment by Glen Wurden and my response) is below

http://www.physicstoday.org/resource/1/phtoad/v64/i8/p10_s1?bypassSSO=1

I would like to go on record for FESAC with this, and I hope it helps in your deliberations. Could you please let me know that you received this and that it will be included.

Thank you very much.

With best regards
Wallace Manheimer
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