

Begin forwarded message:

From: Lefteri Tsoukalas <tsoukala@ecn.purdue.edu>
Date: Mon Jul 11, 2005 8:50:28 PM America/Indianapolis
To: Emil Venere <venere@purdue.edu>
Cc: Rusi Taleyarkhan <rusi@ecn.purdue.edu>, tsoukala@purdue.edu
Subject: Re: Thanks for the information !

Dear Emil,
Thanks. This is a great story and you did a great job.
Cheers.
Lefteri

Emil Venere wrote:

Rusi:

Thanks for clarifying this!

Emil (4-4709)

Emil:

1) Lefteri just called me to say he is quite occupied with personal issues but wanted to communicate that it is OK with him if you wrote that Yiban Xu and Adam Butt conducted their seminal confirmation-experimental work under direct sponsorship and oversight from Lefteri Tsoukalas (Head of School of Nuclear Engineering).

2) I must applaud your efforts at accuracy of depiction. Only a small change is needed for your paragraph. Your latest version looks great (as an aside, fusion reactions produce about 20 MeV of energy per fusion reaction versus 200 MeV from a single U-235 fission reaction. However, deuterium is more than a hundred times lighter due to which on a unit "mass" basis, fusion fuel gives off 10 times more energy than fission fuel). Also, it is more appropriate to say energy than electricity (since the path one chooses for conversion from heat to electricity could be different). The revised version is given below:

*Whereas conventional nuclear fission reactors make waste products that take thousands of years to decay, the waste products from fusion plants

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