

Re: Solar breakthrough – when?

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From: Dan Bloomquist (EXTRApublish20_at_lakeweb.com)

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Tkalbfus1 wrote:

>> *I am just a fan of thermodynamic fundamentals.*

>> *Which clearly tells us what is or is not gonna happen.*

>>

>> *I am very much for things that stay within thermodynamic bounds.*

>>

>> *A heat exchanger HAS to have a delta-T across it. The more energy*

>> *transferred in a given time, the higher the delta-T. An insulator HAS to*

>> *lose energy. The longer the insulated pipe, the higher the losses.*

>

>

> *A nuclear fusion reactor would certainly have sufficient delta-T however. The*

> *inside of the reactor where fusion is occurring is hotter than the interior of*

> *the Sun. There are currently certain devices which can start a fusion reaction*

> *and leave a net surplus of energy, these devices destroy themselves and they*

> *are bombs. Fusion bombs generate alot of delta-T, they require fissionable*

> *material to get the fusion started and the fusion is of the non-steady state. I*

> *understand that a grapefruit ball of plutonium is enough to trigger a fusion*

> *bomb. I suppose its possible to generate electricity from a nuclear fusion*

> *explosion. You need to surround the bomb with a material that can absorb the*

> *bombs heat and retain it for a while.*

>

> *"Pure tungsten is a steel-gray to tin-white metal. Tungsten has the highest*

> *melting point and lowest vapour pressure of all metals, and at temperatures*

> *over 1650°C has the highest tensile strength. The metal oxidises in air and*

> *must be protected at elevated temperatures. It has excellent corrosion*

> *resistance and is attacked only slightly by most mineral acids."*

>

> *Melting point 3695 c*

Boggle, you are a troll after all. That, or would you happen to be posting from a mental institution?

>

> *Tom*

Best, Dan.

sci.energy.hydrogen: Re: Solar breakthrough – when?

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<http://lakeweb.net>

<http://ReserveAnalyst.com>

No EXTRA stuff for email.