

Re: nuclear separation of hydrogen from water vs. electrolysis

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Dan Bloomquist <EXTRApblic20@lakeweb.com> wrote in message news:<40CD61B9.8080000@lakeweb.com>...

> *brianb* wrote:

> > *Someone mentioned there is a process to split or "crack" hydrogen from water using heat, I guess, instead of a electrolysis. Which is more efficient?*

>

> *See iodine sulfur. By two times theromo. And if not, may be much cheaper. (six-eight bucks a watt (+-) just to get 55% thermo-electric from coal.)*

>

> *Best, Dan.*

There is also a copper-chlorine thermochemical water splitting cycle expected to achieve 45% at the far more achievable temperature of 550C.

Considering that HTGR achieve about 45% conversion to electricity from 825C this would represent a great advancement.