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UFO UpDates Mailing List

Re: Elements 116 And 118 Discovered - So Much

From: Larry Hatch <larryhat@jps.net>
Date: Sun, 13 Jun 1999 00:29:27 -0700
Fwd Date: Sun, 13 Jun 1999 14:29:38 -0400
Subject: Re: Elements 116 And 118 Discovered - So Much

>Date: Tue, 8 Jun 1999 11:07:48 -0400 (Eastern Daylight Time)
>From: Nick Balaskas <nikolaos@YorkU.CA>
>To: UFO UpDates - Toronto <updates@globalseve.net>
>Subject: Elements 116 And 118 Discovered - So Much For Lazar?

>Hi everyone.

>The discovery of these two isotopes of elements 116 and 118 (see
>below) which have very short life spans strongly suggests that
>the predicted "island of stability" for elements higher than 114
>may not exist. If these elements (and other isotopes of 116 and
>118) do have such short life spans as reported, then it would be
>very unlikely that Robert Lazar's element 115 is a stable
>element - one that has a life long enough for practical
>applications.

>Nick Balaskas

>-----

>PHYSICS NEWS UPDATE
>The American Institute of Physics Bulletin of Physics News
>Number 432 June 7, 1999 by Phillip F. Schewe and Ben Stein

>ELEMENTS 118 AND 116 have been discovered at Lawrence Berkeley
>Lab by crashing a beam of krypton atoms into lead atoms. The
>three detectable atoms of element 118 have nuclei possessing 118
>protons and 175 neutrons for a mass total of 293. The new
>elements are even further along in the Periodic Table than
>element 114, whose existence was announced back in January 1999
>by scientists in Russia (see Update 412), and further into the
>"island of stability," the supposed nuclear regime in which
>certain combinations of neutrons and protons lead to a
>relatively long life. For all that, the atoms of element 118
>still decay after less than a millisecond into element 116 plus
>an alpha particle. Element 116 then promptly decays into element
>114 plus another alpha particle. Ken Gregorich (510-486-7860)
>led the LBL group that discovered the new nuclei. Four of the
>team members are German nationals, which prompted DOE secretary
>Bill Richardson to emphasize the continuing value of
>international scientists working at US national labs.

><snip>

Hello Nick:

I suppose the keyword here is "relative".

Elements 116 and 118 might last for milliseconds, but that is
interesting enough if neighboring elements only last
microseconds... 3 orders of magnitude difference.

Again, (and unless I'm off-base here) the even numbered elements seem more stable than the odd numbered ones for some sort of geometric or numerical reason.

This in turn, makes element 115 an unfortunate choice for Bob Lazar's dog-and-pony show.

I wish it were otherwise. At least we might have had something solid to play with.

Best wishes

- Larry Hatch

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