

Rossi Discovery What to Say?

Posted on [January 15, 2011](#) by [Steven B. Krivit](#)

The buzz today is Andrea Rossis recent public demonstration in the Physics Department of the University of Bologna, Italy, of a nickel-hydrogen low-energy nuclear reaction device that purportedly produced excess heat.

The original nickel-hydrogen LENR research was developed by Francesco Piantelli, of Siena, Italy. Piantelli was not involved in the recent Rossi demonstration. I have visited Piantelli twice in his lab, and many of the images on the New Energy Times home page are photos I took there.

In July 2008, New Energy Times #29, I reported in great depth on the virtue of the Piantelli et al. nickel-hydrogen LENR research in two articles, [Deuterium and Palladium Not Required](#), [Piantelli-Focardi Publication and Replication Path](#).

I reported how the groups papers had been published in prestigious peer-reviewed journals and how they successfully responded to challenges by skeptics at CERN, the European center for high-energy physics research. I reported how this experimental design offered liberation from palladium and deuterium. Furthermore, this type of experiment had produced far more energy (heat), not merely power, than many other LENR experiments to date.

Many American LENR researchers were skeptical, I suspect because successful Ni-H LENR technology would make their palladium-deuterium research projects irrelevant. Ni-H also, of course, disproves the hypothesis of cold fusion, which is bad news for some LENR researchers.

Piantelli told me that he has known for many years that this type of experiment is inexplicable by the hypothesis cold fusion. He is well aware of the abundant heavy-element transmutations he and his colleagues have seen.

Eventually, a few Americans quietly began asking for my assistance to make contact with Piantelli, probably because he is a hard man to reach. I do not know whether they succeeded. American Michael Melich, affiliated with the Naval Postgraduate School and with the Naval Research Laboratory, is on Rossis team of advisers.

For the last year or so, Rossi has been pumping the Web and rumor mill with bold claims, distributing documents with serious ambiguities, and appearing to sell a questionable energy device. This is a shame because the underlying technology and potential energy is real and important.

I have examined in scientific papers and experimental data by Piantelli, the claims of excess heat, evidence of nuclear emissions and transmutations to my satisfaction.

What has occurred now? Has Rossi developed a functional understanding of this LENR system? I think he has.

But the time-honored question to ask in all situations like this is, What is the total energy balance? Anybody who gets excited about this public demonstration without such information is vulnerable to deception. The next questions to ask are, Exactly how has the energy been measured? And by whom?

A power measurement without the total energy balance is virtually meaningless. Without answers to these questions, this experiment and demonstration could easily be a scam. Sadly, I have been a first-hand witness to deceptions.

The red flags with Rossi have been up for months.

In October 2010, a New Energy Times reader in Italy sent the following to me:

I imagine you are aware that Rossis [patent \[application\]](#) has been [\[partially\] rejected](#) in a preliminary report by the patent examiner. Piantelli also published a new WIPO patent [application] a few months ago too.

I wish Rossi well in his endeavors although I also feel hes claiming as an invention merely the scaling up of Piantellis pioneering work. Any working devices ought to be good news for mankind regardless [of] who discovered what first. If anything works, we will all get some share of the glory (and perhaps profits?).

Today, another New Energy Times reader in Italy sent the following to me:

Pay close attention to Andrea Rossi; he has a dirty past. Twenty years ago he was arrested for illegal importing of gold from the Swiss.

Not only that, but in the 1980s he was involved in a scam with industrial waste. It is a complex thing to explain, but the scam cost the Lombardy region 25 million. He honestly does not convince me as a person, and I am not convinced about the test done at Bologna today.

Check this link: <http://it.wikipedia.org/wiki/Petroldragon>

In friendship, I suggest you be careful, I smell something burning.

According to the link, in 1995, Rossi was jailed for conspiracy to engage in tax fraud for his involvement in a business that was trading precious materials between Switzerland and Italy.

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Brian Ahern says:

[January 15, 2011 at 18:48 \(Edit\)](#)

I am devastated to learn about Rossis criminal record and how badly he conducted his demonstration. Converting water to wet steam versus dry steam can account for a factor of ten in the input:output ratios. The steam phase is to be avoided if you want any reliability in the output/input energies.

I still hope that he stumbled onto an improvement over Piantelli. My own work is showing results similar to Piantelli, so I am confident that something is happening. I am meeting with Prof. Nabil Lawandy next Thursday. His Dec 09 article in App. Phys. Letts showed a method for achieving hyper-dense hydrogen.

Lawandy also has discovered a mechanism to release energy without any gamma rays. He is a top notch physicist with hundreds of patents to his name.

Peter Gluck says:

[January 16, 2011 at 07:52 \(Edit\)](#)

Dear Steve,

This time, I disagree with your approach- the main subject, the essence, the core of the thing is that this event was a first official demonstration of commercial LENR. I have no doubts regarding the validity of the results, mainly on the basis of the results obtained by Prof. Francesco Piantelli- and this was a kind of continuation, variant, etc. of the Piantelli system. It works- and I have waited almost 22 years for that.

The fact that Rossi is not a Lancelot is interesting, some of his sins could actually be technical failures- they happen to the best of us is not the most relevant issue. Have these character flaws- if proved, some influence on the efficiency of the generators?

Best wishes,
Peter

Steven B. Krivit says:

[January 16, 2011 at 17:38 \(Edit\)](#)

Dear Peter,

I treasure your optimism and enthusiasm, it is worth its weight in gold. In my years of following this topic, I have learned to become cautious. There are two crucial things I have learned, above all others: 1) Trust the scientific process. 2) Do not trust claims of promoters unless independently verified.

As far as your assertion of the first official demonstration of commercial LENR, I think your enthusiasm has overtaken your memory. Lets not forget the Patterson Power Cell. Or [Russ Georges](#) 1 kiloWatt fusion powered heater. Or [Innovative Energy Solutions Inc.](#)

Your optimism is essential, as is a demand for scientific rigor and independent validation.

Best regards,
Steven

[Rossi Andrea](#) says:
[January 16, 2011 at 08:20 \(Edit\)](#)

About what I am reading in your blog I have to say that:

1- The test of Bologna has been directed from experts and they know the difference between dry steam and wet steam. The percentage of water in the steam has been measured

2- I have been cleared from the issues that have devastated mr Brian Ahern. If you go to

<http://www.ingandrearossi.com>

you will find all the documents: I had been accused of crimes from which I have been cleared. I am not here to talk of this past personal tragedy, but if you really want to know what happened, please go there and find the necessary documents.

3- My process has nothing to do with the process of Piantelli. The proof is that I am making operatring reactors, he is not

4- What I have presented is not a theory or a laboratory prototype waiting for the approval of anybody but the market: we are starting an industrial production of out reactors. If somebody has a technology able to compete, the competition will not be on the blogs, but on the market. In this field the time of mental masturbations is over. Now is time for facts, and facts are operating reactors of satisfied Customers.

5- I know you and I know you are serious persons: therefore I hope a correct information will start between us from now.

my email:

info@leonardocorp1996.com

Warm Regards,
Andrea Rossi

Steven B. Krivit says:
[January 16, 2011 at 18:00 \(Edit\)](#)

See message above from Peter Gluck: I have no doubts regarding the validity of the results, mainly on the basis of the results obtained by Prof. Francesco Piantelli- and this was a kind of continuation, variant, etc. of the Piantelli system.

sam green says:

[January 16, 2011 at 18:13 \(Edit\)](#)

The fact that you are here, and that LENR advocates are arguing about the validity of your demonstration, about wet and dry steam, about the amount of input energy, about input hydrogen, etc, shows that you have a long way to go to move past mental masturbation.

You claim 10 kW, and even the supporters argue about the calorimetry. Unbelievable.

sam green says:

[January 16, 2011 at 17:37 \(Edit\)](#)

If this device uses input heat, and produces 10 times more output heat, then why cant you turn off the input after it has started? Shouldnt the heat generated by the nuclear reaction be more than enough to keep itself going?

A device which can produce 10 kernels of wheat from one kernel, only needs one kernel to feed the world.

[Peter Gluck](#) says:

[January 16, 2011 at 19:34 \(Edit\)](#)

Dear Steve,

I am not forgetting any of the jump like a lion, fall like a shit cases from the long history of Cold Fusion. You well know my poisoning hypothesis that explains why these cases have happened.

All I wanted to tell is that I think this demonstration at Bologna was something I have waited for, for long years and this changes the situation radically.

Andrea Rossis statement that his system has nothing to do with Piantellis seems me kind of poetical exaggeration, there are small chances he constructed it ab ovo.

However, audiatur et altera pars.

We all have to focus on the essentials.

I agree with Andrea that in this case, at this stage- independent replication is a non-existent idea

something unrealistic and will be not done..

Steven B. Krivit says:

[January 16, 2011 at 20:10 \(Edit\)](#)

My dear Peter,

I am happy that you have seen what you have been wanting to see for 22 years. May you continue to see many more successful LENR demonstrations in the future.

My very best to you and your family,

Steven

Via e-mail:

Date: Sun, 16 Jan 2011 22:24:36 +0100

To: "Steven Krivit"

From: "William Collis"

Subject: Re: Rossi

Sergio Focardi and Christos Stremmenos were at Bologna University. I think both are retired now.

I'm disappointed with the videos. There is no clear explanation regarding the experimental set up, and energy balance. Presenters were not identified (badges did not have names). None of the scientists presenting (on video) appear to have any competence in nuclear physics. For example we have one chap claiming that the sodium iodide gamma ray detector is a form of calorimetry. Another says he expects proton capture not to lead to emission of positrons.

If Rossi had wanted to impress the scientific community he would have opened the meeting to the public and real scientific comment. There was clearly space available.

It is not at all clear to me that anything nuclear is occurring. If it were, there would be copious and lethal radiation given the claimed power of 12 kW. In fact it would be lethal at only 1W. But let's be generous and suppose that the Coulomb barrier can be overcome and that any prompt gammas can be suppressed and by some extraordinary coincidence (such as resonance) non radio-active copper is the only product. The only way this could happen is through nickel isotopes 62 or 63 which together make up less than 5% of natural nickel. Rossi claims the total amount of nickel is only 1g so we have less than 50mg of nuclear fuel or $6E20$ atoms. At 7 MeV per atom that's only 187 kW-hours. Hardly enough to heat a factory for a day let alone all winter. Explanations appear to be in error. Perhaps there is something even more energetic than nuclear reactions going on!

I find it disturbing that nobody mentioned Piantelli's pioneering work in this field. Worse still, yesterday's financial daily, *Il Sole 24 Ore* (page 18), reporting on the seminar, referred erroneously to work done in Siena by Focardi & Rossi!!

Cheers

Bill