

## Observation of Excess Heat in Nickel – LAH System

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The replication of Parkhomov's approach [1-4] of getting excess energy with Nickel and Lithium Aluminium Hydride system is being attempted since two years at Swami Vivekananda Yoga Anusandhana Samsthana (S-VYASA deemed-to-be University) in the Centre for Energy Research lab, which has been exclusively created for understanding LENR phenomena. After nearly 50 experiments and after having satisfied that, the experimental setup, Instrumentation and measurement systems are well established, couple of experiments showed indication of sudden rise in the core temperature; when all the other parameters continued to be remain same.

The picture of the setup and the measured parameters of one of the experiments is presented in this paper.

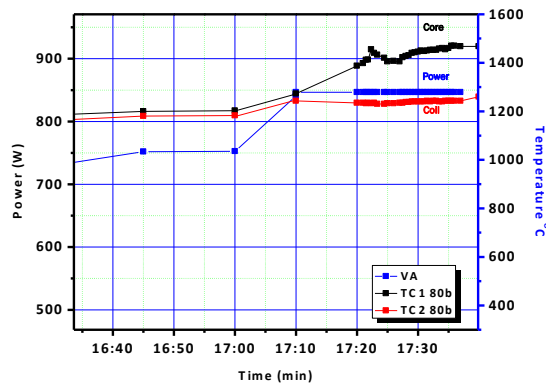


Fig1: Plot of Power (W) & Temperature ( $^{\circ}\text{C}$ ) Vs Time (min) for one of experiments showing sudden rise in the core temperature

Fig2: Picture showing the reactor in operation along with the power and Temperature display



- [1] Parkhomov AG, "A Study of the High-Temperature Heat Source Analog of Rossi", Journal of Emerging Areas of Science, vol. 3, No. 7, pp. 68–72, 2015
- [2] I.N. Stephanov, Yu. I. Malahov, Chi Nguyen Quoc "Experimental Measurement of Excess Thermal Energy Released from a Cell Loaded with a Mixture of Nickel Powder and Lithium Aluminum Hydride," Journal of Emerging Areas of Science, vol. 3, no. 9, 2015.
- [3] Focardi, S., Habel, R. and Piantelli, F., Anomalous heat production in Ni-H systems. Il Nuovo Cimento, vol. 107A, pp. 163–167, 1994.
- [4] T. Itoh, Y. Iwamura, J. Kasagi, "Anomalous Excess Heat Generated by the Interaction Between nanostructured Pd/Ni Surface and D<sub>2</sub> Gas" Journal of Condensed Matter Nuclear Science, vol. 24, pp. 179-190, 2017.