

Abstract Submitted
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Progress in Excess of Power Experiments with Electrochemical Loading of Deuterium in Palladium V. VIOLANTE, ENEA Frascati Research Center Frascati (Italy), M. BERTOLOTTI, E. CASTAGNA, C. SIBILIA, University of Rome La Sapienza Dpt. Energetica Rome (Italy), IRV DARDIK, Energetics LLC, 7 Fieldview Lane, Califon, NJ 07830, S. LESIN, T. ZILOY, Energetics, Ltd, Omer Industrial Park 84965, Israel, F. SARTO, La Sapienza University, Via Scarpa, 14 00100 (Roma) Italy, F. TANZELLA, MICHAEL C. H. MCKUBRE, International 333 Ravenswood Ave, Menlo Park, CA 94025 — A research activity has been carried out, during the last three years, in the field of triggering anomalous heat effects in palladium deuteride. An enhancement of the excess of power reproducibility in deuterated palladium was obtained by using HeNe laser irradiation during electrochemical loading. A preliminary correlation between excess of energy and helium-4 concentration increasing above the background was found. The continuation of the experimental program confirmed that laser triggering produces an interesting gain of reproducibility. An upgrade of the experimental set-up has been realized.

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