

Program of JCF12 Meeting

Japan CF-Research Society

Date: December 17-18, 2011

Place: Umeki Y Hall, Fukae Campus, Kobe University, Kobe, Japan

Paper presentation: Oral presentation 20 min. (Review: 25min) + Discussion 5 min.

Language= English or Japanese

Book of Abstract: Only available at JCF home page;

<http://jcfrs.org/>

December 17 (Sat.), 2011

12:00-13:00 **Registration**

13:00-13:10 **Opening Address** (A. Kitamura, Kobe U.)

Experiment-1 (Chairman: Y. Iwamura, Advanced Tech. Research Center, M. H. I. H.)

13:10-13:35 **JCF12-1** Y. Miyoshi (Kobe U.) et al.: Gas-phase hydrogen isotope absorption/adsorption characteristics of a Ni-based sample

13:35-14:00 **JCF12-2** H. Sakoh (Kobe U.) et al.: Silica-included Pd nano-powders repeatedly available for heat production by hydrogen isotope absorption

14:00-14:25 **JCF12-3** T. Kamihira et al. (Iwate U.): Investigation of nuclear phenomena in deuterium adsorption to Pd film

14:25-14:50 **JCF12-4** S. Kosaka et al. (Toyota Central R&D Labs.): Detecting Pr in Cs ion-implanted Pd/CaO multilayer system before and after D₂ gas permeation

-----**break** (15 min)-----

Review (Chairman: S. Narita, Iwate U.)

15:05-15:35 **JCF12-R1** Y. Iwamura (Advanced Tech. Research Center, M. H. I.) et al.: Status of Transmutation Experiments induced by Deuterium Permeation though Nano-structured Pd Multilayer Thin Film

15:35-16:05 **JCF12-R2** A. Kitamura (Kobe U.): Review of gas-phase hydrogen isotope absorption/adsorption experiments

16:05-16:35 **JCF12-R3** A. Takahashi (Osaka U. and Technova Inc.): Review of TSC Model on CMNS/CF Phenomena

16:35-18:00 **JCF Annual Meeting**

18:00-20:00 **Reception**

December 18 (Sun.), 2011

Theory -1 (Chairman: M. Ozaki, Tokyo U. of Agriculture)

- 10:00-10:25 **JCF12-5** H. Numata (Tokyo Institute of Tech.): Search for advanced simulation model of cascade vortices underbeneath of the electrode surface
- 10:25-10:50 **JCF12-6** K. Tsuchiya (Tokyo T. N. C. T.): Theoretical study of nuclear reactions in solids using Bose-Einstein condensation model
- 10:50-11:15 **JCF12-7** A. Takahashi (Osaka U. and Technova Inc.): Kinetic Reaction Energy of Cold Fusion
- 11:15-11:40 **JCF12-8** H. Kozima (CF Res. Lab.) et al.: The Cold Fusion Phenomenon in Hydrogen Graphites

-----lunch (11:40-13:00)-----

Experiment-2 (Chairman: Y. Toriyabe, Hitachi-GE Nuclear Energy, Ltd.)

- 13:00-13:25 **JCF12-9** S. Narita et al. (Iwate U.): Deuterium desorption test using Ni/Pd multi-layered sample
- 13:25-13:50 **JCF12-10** Y. Abe et al. (Iwate U.): Change in Isotopic Ratio of Li by Light Water Electrolysis
- 13:50-14:15 **JCF12-11** K. Mita et al. (Iwate U.): Numerous etch pits on CR-39 produced by light and heavy water electrolysis

-----break (15 min)-----

Theory-2 (Chairman: K. Tsuchiya, Tokyo T. N. C. T.)

- 14:30-14:55 **JCF12-12** H. Miura: Computer Simulation of Hydrogen States in Pd Metal of Face Centered Cubic Lattice
- 14:55-15:20 **JCF12-13** H. Kozima (CF Res. Lab.): Three Laws in the Cold Fusion Phenomenon in Open, Nonequilibrium, Multi-Component Systems
- 15:20-15:45 **JCF12-14** A. Takahashi (Osaka U. and Technova Inc.): 4H/TSC Fusion by Simultaneous Weak and Strong Interactions

Adjourn