

Program of JCF13 Meeting (2012/12/03 Updated)  
Japan CF-Research Society

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**Date: December 8-9, 2012**

**Place: Meeting Room 1209, Wink-Aichi, Nagoya, Japan; <http://www.winc-aichi.jp/>**

**Paper presentation: Oral 25min (discussion;5min) / \*20min (dis.;5min) / \*\*30min (dis.;5min)**

**Language: English or Japanese**

**Book of Abstract: Only available at JCF home page; <http://jcf.rs.org/>**

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**December 8 (Saturday), 2012**

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12:00-13:00      **Registration**

13:00-13:10      **Opening Address** (T. Hioki, Toyota Central R & D Labs.)

**Theory-1**      (Chairman: N.D. Cook, Kansai Univ.)

13:10-13:35      **JCF13-1** K. Tsuchiya (Tokyo National College of Technology) et al., “The quantum states of the system including two species of charged bosons in ion trap I”

13:35-14:00      **JCF13-2** S. Kikuchi (Tokyo National College of Technology) et al., “The quantum states of the system including two species of charged bosons in ion trap II”

14:00-14:25      **JCF13-3** A. Takahashi (Technova Inc.) et al., “Nucleon halo model of  $^8\text{Be}$ ”

**Experiment-1** (Chairman: Y. Iwamura, Advanced Technology Research Center, Mitsubishi Heavy Industries, Ltd)

14:25-14:50      **JCF13-4** S. Narita (Iwate Univ.) et al., “Measurement of low energy nuclear reaction in deuterium discharge experiment”

14:50-15:15      **JCF13-5** S. Ohshima (Toyota Central R & D Labs., Inc.) et al., “Verification of excess heat from PdDx irradiated by infrared laser”

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

**Experiment-2** (Chairman: A. Kitamura, Kobe Univ.)

15:30-15:55      **JCF13-6** G. Hosokawa (Iwate Univ.) et al., “Characterization of deuterium loading/unloading behavior for various types of multi-layered metal sample”

15:55-16:15      **JCF13-7\*** N. Takahashi (Toyota Central R & D Labs., Inc.) et al., “Study on nuclear transmutation of Cs into Pr (1): Detecting Pr by SOR-XRF”

16:15-16:35      **JCF13-8\*** S. Kosaka (Toyota Central R & D Labs., Inc.) et al., “Study on nuclear transmutation of Cs into Pr (2): Detecting Pr by ICP-MS”

16:35-17:00      **JCF13-9** Y. Iwamura (Advanced Technology Research Center, Mitsubishi Heavy Industries, Ltd) et al., “Increase of transmutation products in deuterium permeation induced transmutation”

17:00-18:00      **JCF Annual Meeting** (+ Reception Preparation)

18:00-20:00      **Reception** (@Meeting Room 1209, Wink-Aichi)

**December 9 (Sunday), 2012**

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**Theory-2** (Chairman: K. Tsuchiya, Tokyo National College of Technology)

- 9:30-9:55      **JCF13-10** Norman D. Cook (Kansai Univ.), “Quantum Nucleodynamics (QND) : Nuclear “models” are no longer necessary”
- 9:55-10:20    **JCF13-11** T. Sawada (Nihon Univ.), “Restriction on the nuclear CF arising from the energy-momentum conservation”
- 10:20-10:40   **JCF13-12\*** H. Kozima (Cold Fusion Research Laboratory), “Characteristics of Solid-State Nuclear Track Detectors for Heavy Charged Particles”
- 10:40-11:00   **JCF13-13\*** H. Kozima (Cold Fusion Research Laboratory), “Emission of Charged Particles in the Cold Fusion Phenomenon”
- 11:00-11:25   **JCF13-14** H. Miura, “Computer simulation of hydrogen states near T site in Pd metal”

-----**lunch** (11:25-13:00)-----

**Experiment-3** (Chairman: S. Narita, Iwate Univ.)

- 13:00-13:25    **JCF13-15** H. Sakoh (Kobe Univ.) et al., “Heat release characteristics of Ni-based samples absorbing hydrogen isotopes at high temperature”
- 13:25-13:50   **JCF13-16** A. Kitamura ( Kobe Univ. ) et al., “Hydrogen isotope absorption / adsorption characteristics of mesoporous-silica-included samples”
- 13:50-14:15   **JCF13-17** T. Hioki (Toyota Central R & D Labs., Inc.) et al., “Influence of Pd-particle size on isotope effect for heat generation upon pressurization with hydrogen isotope gases”

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

**Theory-3** (Chairman: A. Takahashi, Technova Inc.)

- 14:30-14:55    **JCF13-18** T. Sawada, (Nihon Univ.)  
“Magnetic monopole as the catalyst of the nuclear CF reaction”
- 14:55-15:25   **JCF13-19\*\*** H. Kozima (Cold Fusion Research Laboratory), “Cold fusion phenomenon in open, nonequilibrium, multi-component systems”
- 15:25-15:50   **JCF13-20** H. Numata (Tokyo Institute of Technology), “Macroscopic view of electrified and magnetized interface under long-term evolution of deuterium in 0.1M LiOD”

**Adjourn**