

## Program of JCF7 Meeting (Japan CF-Research Society)

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**Date and Place: April 27-28, 2006, at The Inamori Memorial Hall, Korimoto campus,  
Kagoshima University, Kagoshima, Japan**

**Paper presentation: oral Presentation 20 min. + discussion 5 min.,**

**Language= English or Japanese**

**Abstract: only available at JCF home page**

### April 27, (Thu), 2006

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9:00-9:50      **Registration**

9:50-10:00    **Opening Address** (Y. Takeuchi, Kagoshima U.)

#### **Theory-1** (chairman: A. Takahashi, Osaka U.)

10:00-10:25    **JCF7-1** S. Sasabe (Tokyo Metropolitan U.): Possibility of Control on  
Coulomb Potential

10:25-10:50    **JCF7-2** K. Tsuchiya (Tokyo N. C. T.): Mechanism of Nuclear Reaction  
and Bose-Einstein Condensation in Solids

10:50-11:15    **JCF7-3** T. Sawada (Nihon U.): Why an exotic particle is needed in  
understanding the nuclear cold fusion

11:15-11:40    **JCF7-4** T. Sawada (Nihon U.): Extension of the Nuclear Physics to  
Include the Magnetic Monopole

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

#### **Experiment-1** (chairman: A. Kitamura, Kobe U.)

13:00-13:25    **JCF7-5** K. Iizumi et al. (Yokohama N. U.): Energy Output and  
Material Balance During Plasma Electrolysis of Water

13:25-13:50    **JCF7-6** H. Numata (Tokyo Institute of Tech.) et al. : Microscopic  
Structural Change during Repeated Cathodic and Anodic Electrolysis in  
Glycerin and Phosphoric Acid

13:50-14:15    **JCF7-7** Y. Toriyabe et al. (Hokkaido U.): Analysis of Nuclear  
Transmutation Yields for Pd-H Systems by SCS Model

14:15-14:40    **JCF7-8** H. Kagiya et al. (Kagoshima U.): Analysis for Accuracy and  
Precision of Ultrasound Pulse-Echo Method for Measurement of H2O  
Contamination in D2O and Its Improvement

-----break (20 min)-----

**Theory-2** (chairman: T. Sawada, Nihon U.)

15:00-15:25 **JCF7-9** A. Takahashi (Osaka U.) et al. : Brief Review on Fusion Rates of Bosonized Condensates Part-I: Basic Theory

15:25-15:50 **JCF7-10** A. Takahashi (Osaka U.) et al. : Brief Review on Fusion Rates of Bosonized Condensates Part-II: Example-EQPET/TSC Model

15:50-16:15 **JCF7-11** M. Fukuhara (Tohoku U.): Possible Origin of Nitrogen in Earth's Atmosphere (II)

16:15-16:40 **JCF7-12** A. Takahashi (Osaka U.) et al. : Comments on Role of CaO-Layer in Iwamura Cold Transmutation

16:40-18:00 **JCF Annual Meeting**

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

**April 28 (Fri), 2006**

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**Theory-3** (chairman: M. Fukuhara, Tohoku U.)

10:00-10:25 **JCF7-13** H. Miura: Formation of Tetrahedral, Octahedral or Hexahedral Symmetric Condensation by Hopping of Alkali or Alkaline-earth Metal Ion

10:25-10:50 **JCF7-14** N. Yabuuchi (High Sci. Res. Lab.): Tetrahedral and Cubic Forms and Condensate Nuclear Fusion

-----break (20 min)-----

**Experiment-2** (chairman: E. Yamaguchi, Doshisha U.)

11:10-11:35 **JCF7-15** H. Iwai et al. (Kobe U.): Reproduction of Nuclear Transmutation in CaO/Sr/Pd Samples by Deuterium Gas Permeation

11:35-12:00 **JCF7-16** H. Yamada et al. (Iwate U.): Producing an Element of Mass Number 137 on Multi-layered Pd Sample by Deuterium Permeation

12:00-12:25 **JCF7-17** S. Narita et al. (Iwate U.): Possibility of Inducing Selective Transmutation in Discharge Experiment

**Adjourn**