Program of JCF3 Meeting, October 25-26, 2001, at University Hall, Yokohama National University, Yokohama, Japan

October 25, 2001

9:00-9:50  Registration
9:50      Opening Address (K. Ota, Yokohama N.U.)
10:00     Electrolysis: Light and Heavy Water (chairman: A. Takahashi, Osaka U.)
10:00-10:25  JCF3-1 H. Yamada et al. (Iwate U.): Nuclear Transmutation by Light Water Electrolysis with Palladium Cathode
10:25-10:50  JCF3-2 M. Fujii et al. (Yokohama N.U.): HEAT MEASUREMENT DURING LIGHT WATER ELECTROLYSIS USING Pd RODS AND Pd/Ni RODS CATHODE
10:50-11:15  JCF3-3 Y. Isobe et al. (Osaka U.): Study of Nuclear Reactions in Metal-Deuteride by Closed-Type D$_2$O Electrolysis
11:15-11:40  JCF3-4 T. Mizuno et al. (Hokkaido U.): Neutron and Heat Generation from a Palladium Electrode by Alternate Absorption Treatment of Deuterium and Hydrogen

Special Talk: (chairman: A. Takahashi, Osaka U.)
11:40-12:15  JCF3-5 F. Celani et al. (INFN-LNF): Electrochemical H-D loading of Palladium wires by hydro-alcoholic electrolytes related to the new discovered *Ralstonia* bacteria into heavy water.

---lunch (12:15-14:00) ---

14:00     Electrolysis: Plasma State (chairman: T. Itoh, Mitsubishi H.I.)
14:00-14:25  JCF3-6 T. Ohmori et al. (Hokkaido U.): Nuclear Transmutation from $^{39}$K to $^{41}$K in the Plasma Electrolysis on Re in K$_2$CO$_3$/H$_2$O and D$_2$O Solutions
14:25-14:50  JCF3-7 M. Matsunaka et al. (Osaka U.): Studies of Photon Source for Multi Photon Induced Fission under Plasma Electrolysis

---break (10 min) ---

15:50-16:15   JCF3-10 T. Sawada (Nihon U.): Proposal to identify the 'nuclear active state'
16:15-16:40   JCF3-11 H. Yamamoto: A Study on Anomalous Characteristics of Gasses Generated by under-water electric arc discharge with carbon electrodes
16:40-17:05   JCF3-12 N. Yabuuchi (High Scientific Research Laboratory): Possibility of Nuclear Fusion in Solid
17:05-17:35   JCF Annual Meeting
18:00-20:00   Reception
October 26, 2001

9:00 Gas and Vacuum Phase Exp. (chairman: T. Mizuno, Hokkaido U.)

9:00-9:25 JCF3-13 A. Arapi et al. (Iwate U.): Generation of the new elements and isotopic changes on deuterated palladium electrodes under DC glow discharge.


9:50-10:15 JCF3-15 T. Itoh et al. (Mitsubishi H.I.): Observation of low energy nuclear reaction induced by D2 gas permeation through the multilayer Pd film(1) -Transmutation of Cs into Pr-

10:15-10:40 JCF3-16 M. Sakano et al. (Mitsubishi H.I.): Observation of low energy nuclear reaction induced by D2 gas permeation through the multilayer Pd film(2) -Transmutation of Sr to Mo-

--- break (10 min) ---

10:50 Theory-2 (chairman: T. Ohmori, Hokkaido U.)

10:50-11:15 JCF3-17 M. Fukuhara: Neutral Pion-Catalysed Fusion in Palladium Lattice


11:40-12:05 JCF3-19 A. Takahashi et al. (Osaka U.): Cold Fusion and Clean Fission

12:05-12:30 JCF3-20 M. Ohta et al. (Osaka U.): Analysis on fission in U-235 by SCS Model

--- lunch (12:30-14:30) ---

14:30 Beam Solid Interaction (chairman: H. Yamada, Iwate U.)

14:30-14:55 JCF3-21 K. Kamada (The Wakasa-wan Energy Reserch Center): Heating of Deuteron Implanted Al on Electron Bombardment and its Possible Relation to "Cold Fusion" Experiment

14:55-15:20 JCF3-22 T. Hayashi et al. (Osaka U.): STUDIES OF NUCLEAR REACTIONS IN SOLIDS IN TITANIUM DEUTERIDE UNDER DEUTRON BEAM IRRADIATION

15:20-15:45 JCF3-23 Y. Katayama et al. (Osaka U.): STUDIES OF NUCLEAR-REACTIONS-IN-SOLID IN TITANIUM-DEUTERIDE UNDER ION INPLANTWTION-III

-Experiments with proton and Si3+ beam implantation-

15:45-16:10 JCF3-24 T. Dairaku et al. (Osaka U.): Analysis of Charged-Particle-Spectra Obtained under the Implantation of Ion Beam to TiD, TiDH and TiH

16:10-16:35 JCF3-25 H. Mori et al. (Osaka U.): STUDIES OF NUCLEAR REACTIONS IN SOLIDS UNDER ELECTRON BEAM IRRADIATION TO METAL DEUTERIDE

Adjourn. (JCF4 will be held at Iwate U.)