

Conference Program

FULL PAPER :
 *not accepted
 †not received

October 21, Wednesday

Registration

Welcome Party

October 22, Thursday

Registration

Opening Address H. Kakihana

Morning Session I (Oral) Chairpersons : S. Pons and K. Ota

Excess Heat

M. C. H. McKubre, S. Crouch-Baker, A. M. Riley, S. I. Smedley and F. L. Tanzella
 Excess Power Observations in Electrochemical Studies of the D/Pd System; in the Influence of Loading

T. N. Claytor (for E. Storms)

Measurement of Excess Heat from a Pons-Fleischmann Type Electrolytic Cell

K. Kunimatsu, N. Hasegawa, A. Kubota, N. Imai, M. Ishikawa, H. Akita and Y. Tsuchida
 Deuterium Loading Ratio and Excess Heat Generation during Electrolysis of Heavy Water by a Palladium Cathode in a Closed Cell Using a Partially Immersed Fuel Cell Anode

M. Srinivasan, A. Shyam, T. K. Sankaranarayanan, M. B. Bajpai, H. Ramamurthy, U. K. Mukherjee, M. S. Krishnan, M. G. Nayar and Y. P. Naik

Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali Salts with Nickel Cathode

N. Oyama, T. Terashima, S. Kasahara, O. Hatozaki, T. Ohsaka and T. Tatsuma

Electrochemical Calorimetry of D₂O Electrolysis Using a Palladium Cathode in a Closed Cell System

K. Ota, M. Kuratsuka, K. Ando, Y. Iida, H. Yoshitake and N. Kamiya

Heat Production at the Heavy Water Electrolysis Using Mechanically Treated Pd Cathode

Morning Session II (Oral) Chairpersons: T. P. Perng and N. Oyama

Materials and Hydrogen Behavior

M. Enyo

Hydrogen/Deuterium Concentration in Pd under Cathodic Polarization

D. R. Coupland, M. L. Doyle, J. W. Jenkins, J. H. F. Notton, R. J. Potter

and D. T. Thompson

Some Observations Related to the Presence of Hydrogen and Deuterium in Palladium

Y. Fukai

The ABC's of the Hydrogen-Metal System

B. Escarpizo, J. F. Fernandez, F. Cuevas, J. Tornero and C. Sánchez

Deuterium Concentration Profiles and Crystallization Anomalies in Electrolytically Deuterated Titanium Plates

D. L. Wang, S. H. Chen, D. X. Fan, W. J. Chen, Y. J. Li, Y. B. Fu and X. W. Zhang

Experimental Studies on the Anomalous Phenomenon in Pd Metal Loaded with Deuterium

Afternoon Session I (Poster)

Theory and Modeling

- †22PI-1 G. Preparata
Theory of Cold Fusion in Deuterated Palladium
- 22PI-2 V. A. Romodanov, V. I. Savin, Ya. Skuratnik and Yu. M. Timofeev
Nuclear Fusion in Condensed Matter
- †22PI-3 P. L. Hagelstein
Coherence Effects: Theoretical Considerations
- †22PI-4 P. L. Hagelstein
Coherent and Semi-Coherent Neutron Transfer Reactions
- 22PI-5 T. Tani and Y. Kobayashi
Tunnel Disintegration and Neutron Emission Probability
- †22PI-6 A. Scalia
Anomalies in Nuclear Fusion for Light System at Very Low Energy
- *22PI-7 V. A. Chechin and V. A. Tsarev
On a Nonstationary Quantum Mechanical Origin of Cold Nuclear Fusion
- 22PI-8 T. Matsumoto
Review for "Nattoh" Model and Experimental Findings during Cold Fusion
- *22PI-9 J. Yang, X. Chen, L. Tang, D. Xie and L. Gu
"Abnormal" Nuclear Phenomena and Weak Interaction Process
- *22PI-10 J. Yang and X. Chen
Dineutron Model of the Cold Fusion
- *22PI-11 G. Drăgan
Water-Medium for Natural Nuclear Transmutations
- 22PI-12 S. Szpak, P. A. Mosier-Boss and J. J. Smith
Comments on Methodology of Excess Tritium Determination
- 22PI-13 K. Tsuchiya, K. Ohashi and M. Fukuchi
Mechanism of Cold Nuclear Fusion in Palladium
- 22PI-14 A. de Ninno and V. Violante
"Quasi-Plasma" Transport Model in Deuterium Overloaded Palladium Cathodes
- 22PI-15 N. Matsunami
A Mechanism for Cold Nuclear Fusion: Barrier Reduction by Screening under Transient Coherent Flow of Deuterium
- 22PI-16 K. Fukushima
Is Sono-Fusion to be a Possible Mechanism for Cold Fusion ?
- 22PI-17 X. Z. Li, D. Z. Jin and L. Chang
The Combined Resonance Tunneling and Semi-Resonance Level in Low Energy D-D Reaction
- †22PI-18 L. Fonda and G. L. Shaw
Anti-Diquark Catalysis of Cold Fusion
- 22PI-19 Z. L. Zhang and S. I. Liu
Thermodynamic Theory of Cold Nuclear Fusion (C. N. F)
- 22PI-20 S. R. Chubb and T. A. Chubb
Ion Band State Fusion
- 22PI-21 M. Tamaki and K. Tasaka
Field Formation of the Condensed Matter Fusion by Electro-Transport of Deuterium in Palladium
- *22PI-22 K. Chukanov and A. Chukanov
Chukanov Cold Fusion Effect
- †22PI-23 A. Tenenbaum and E. Tabet
Temporal Sequence of Nuclear Signals in a "Dry" Cold Fusion Experiment
- 22PI-24 E. L. Ragland
A Physical Description of Cold Fusion
- 22PI-26 N. Yabuuchi
Quantum Mechanics on Cold Fusion

- †22PI-27 P. Glück
"Surfdyn" : Is this Concept Able to Promote Anomalous Nuclear Phenomena to Normal Cold Fusion Science ?
- *22PI-28 V. I. Vysotskii and R. N. Kuz'min
Nonthreshold Cold Fusion as a Result of Nonequilibrium Deuterium Fermi-Condensate in Microholes of Crystal
- *22PI-29 G. V. Fedorovich
Nuclear Fusion in the E-Cell
- 22PI-30 K. Yasui
Fractofusion Mechanism
- 22PI-31 Y. E. Kim, M. Rabinowitz, R. A. Rice and J. -H. Yoon
Condensed Matter Effects for Cold and Hot Fusion
- *22PI-32 O. Q. Gou, Z. H. Zhu and Q. F. Zhang, A. P. Ye and B. Y. Miao
The Possible Theoretical Model and it's Experimental Evidences of Cold Fusion
- 22PI-33 J. T. Waber
Solid State Boson Condensation Model of Cold Fusion
- †22PI-34 Y. Chuanzan and Y. F. Chang
Physical Mechanism of Cold Fusion of Nuclei
- †22PI-35 Yu. N. Bazhutov and G. M. Vereshkov
New Stable Hadrons in Cosmic Rays, their Theoretical Interpretation and Possible Role in Cold Nuclear Fusion Catalysis
- 22PI-36 M. Rambaut
Lawson Criterion Made Obsolete by Cold Fusion through the Double Screening Process
- †22PI-37 J. R. Huizenga
Cold Fusion Claims
- 22PI-38 J. -P. Vigier
New Hydrogen Energies in Specially Structured Dense Media: Capillary Chemistry and Capillary Fusion

Afternoon Session II (Poster)

Materials and Hydrogen Behavior

- 22PII-1 M. Enyo
Hydrogen/Deuterium Concentration in Pd under Cathodic Polarization
- 22PII-2 D. R. Coupland, M. L. Doyle, J. W. Jenkins, J. H. F. Notton, R. J. Potter and D. T. Thompson
Some Observations Related to the Presence of Hydrogen and Deuterium in Palladium
- 22PII-3 Y. Fukai
The ABC's of the Hydrogen-Metal System
- *22PII-4 A. L. Samgin, V. I. Tsidilkovski and A. N. Baraboshkin
On the Possible Formation of Regions with High Hydrogen Isotope Concentration at Nonlinear Diffusion in Transition Metals
- †22PII-5 P. L. Hagelstein
Possible Instabilities in Heat Production
- †22PII-6 A. L. Samgin and A. N. Ezin
Nonlinear Diffusion of Deuterium in Pd_x under Peaking Regime Boundary Condition
- 22PII-7 T. Sano, T. Terasawa T. Ohi and S. Nezu
Preparation of Pd Electrodes and Their Hydrogen Loading Ratios
- 22PII-8 A. Kubota, H. Akita, Y. Tsuchida, T. Saito, A. Kubota, N. Hasegawa, N. Imai, N. Hayakawa and K. Kunimatsu
Hydrogen and Deuterium Absorption by Pd Cathode in a Fuel-Cell Type Closed Cell
- 22PII-9 T. Nakata, Y. Tsuchida and K. Kunimatsu
Absorption of Hydrogen into Palladium Foil Electrode: Effect of Thiourea
- 22PII-10 T. Mizuno, T. Akimoto, K. Azumi and M. Enyo
Cold Fusion Reaction Products and Behaviour of Deuterium Absorption in Pd Electrode

- 22PII-11 B. Escarpizo, J. F. Fernandez, F. Cuevas, J. Tornero and C. Sánchez
Deuterium Concentration Profiles and Crystallization Anomalies in Electrolytically
Deuterated Titanium Plates
- †22PII-12 E. Palibroda and M. Jalobeanu
Cold Fusion and the Water Electrolysis H-D Separation Factor
- †22PII-13 V. A. Goltsov
Structural and Dynamic Effects at Palladium and its Alloys Interaction with Hydrogen
- †22PII-14 M. Ragheb, C. O'Connor and M. Shaheen
On the Anomalous Deuterium to Hydrogen and the U235 to U238 Ratios in the Oklo
Phenomenon Samples
- 22PII-15 M. Nakada, T. Kusunoki, M. Okamoto and O. Odawara
A Role of Lithium for the Neutron Emission in Heavy Water Electrolysis
- 22PII-16 C. L. Hsu, C. M. Wan and F. -R. Chen
TEM Investigation of Hydrogen Ordering in Pd
- 22PII-17 N. Oyama, N. Yamamoto and T. Tatsuma
In-Situ Electrochemical Quartz Crystal Microbalance Studies of Water Electrolysis at a
Palladium Cathode

Miscellaneous

- 22PII-18 K. Kamada
Electron Impact H-H and D-D Fusions in Molecules Embedded in Al
- 22PII-19 G. H. Miley, J. U. Patel, J. Javedani, H. Hora, J. C. Kelly and J. Tompkins
Multilayer Thin Film Electrodes for Cold Fusion
- †22PII-20 F. E. Cecil, H. Liu and J. S. Yan
Recent Measurements of Deuteron-Induced Nuclear Reactions at Very Low Energies
- 22PII-21 J. Drexler
Electrodeless, Multi-Megawatt Reactor for Room-Temperature, Lithium-6/Deuterium
Nuclear Reactions
- 22PII-22 H. Komaki
Observations on the Biological Cold Fusion or the Biological Transmutation of Elements
- 22PII-23 A. B. Karabut, Ya. R. Kucherov and I. B. Savvatimova
Possible Nuclear Reactions Mechanisms at Glow Discharge in Deuterium
- *22PII-24 E. Lewis
A Proposal for the Performance of Four Kinds of Experiments to Test My Own
Hypotheses and a Statement of a Deduction about Phenomena

Excess Heat I

- 22PII-25 M. C. H. McKubre, S. Crouch-Baker, A. M. Riley, S. I. Smedley and F. L. Tanzella
Excess Power Observations in Electrochemical Studies of the D/Pd System; the Influence
of Loading
- 22PII-26 E. Storms
Measurement of Excess Heat from a Pons-Fleischmann Type Electrolytic Cell
- 22PII-27 K. Kunimatsu, N. Hasegawa, A. Kubota, N. Imai, M. Ishikawa, H. Akita and Y. Tsuchida
Deuterium Loading Ratio and Excess Heat Generation during Electrolysis of Heavy
Water by a Palladium Cathode in a Closed Cell Using a Partially Immersed
Fuel Cell Anode
- 22PII-28 M. Srinivasan, A. Shyam, T. K. Sankaranarayanan, M. B. Bajpai, H. Ramamurthy,
U. K. Mukherjee, M. S. Krishnan, M. G. Nayar and Y. P. Naik
Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali
Salts with Nickel Cathode
- 22PII-29 N. Oyama, T. Terashima, S. Kasahara, O. Hatozaki, T. Ohsaka and T. Tatsuma
Electrochemical Calorimetry of D₂O Electrolysis Using a Palladium Cathode in a Closed
Cell System

October 23, Friday

Morning Session I (Oral) Chairpersons : J. O'M. Bockris and K. Kunimatsu

Excess Heat

Panel Discussion on Takahashi Method

A. Takahashi, B. Bush, E. Mallove, F. Celani and A. de Ninno

M. Fleischmann and S. Pons

Calorimetry of the PD-D₂O System: from Simplicity via Complications to Simplicity

S. I. Smedley, S. Crouch-Baker, M. C. H. McKubre and F. L. Tanzella

The January 2, 1992, Explosion in a Deuterium / Palladium Electrolytic System
at SRI International

A. Takahashi, A. Mega, T. Takeuchi, H. Miyamaru and T. Iida

Anomalous Excess Heat by D₂O/Pd Cell under L-H Mode Electrolysis

M. H. Miles and B. F. Bush

Calorimetric Principles and Problems in Pd-D₂O Electrolysis

F. Celani, A. Spallone, P. Tripodi and A. Nuvoli

Measurements of Excess Heat and Tritium during Self-Biased Pulsed Electrolysis of
Pd-D₂O

A. de Ninno and V. Violante

"Quasi-Plasma" Transport Model in Deuterium Overloaded Palladium Cathodes

Morning Session II (Oral) Chairpersons : Y. Kim and T. Shibata

Theory and Modeling

Panel Discussion on Theoretical Model

P. Hagelstein, G. Preparata, V. Romodanov and J. Vigier

P. L. Hagelstein

Coherent and Semi-Coherent Neutron Transfer Reactions

V. A. Romodanov, V. I. Savin Ya. Skuratnik and Yu. M. Timofeev

Nuclear Fusion in Condensed Matter

J. -P. Vigier

New Hydrogen Energies in Specially Structured Dense Media : Capillary Chemistry and
Capillary Fusion

October 24, Saturday

Morning Session I (Oral) Chairpersons : C. Sánchez and K. Nishizawa

Nuclear Products

D. B. Buehler, L. D. Hansen, S. E. Jones and L. B. Rees

Is Reported "Excess Heat" due to Nuclear Reactions ?

E. Yamaguchi and T. Nishioka

Direct Evidence for Nuclear Fusion Reactions in Deuterated Palladium

M. H. Miles and B. F. Bush

Search for Anomalous Effects Involving Excess Power and Helium during D₂O Electrolysis
Using Palladium Cathodes

T. Iida, M. Fukuhara, H. Miyazaki, Y. Sueyoshi, Sunarno, J. Datemichi and A. Takahashi

Deuteron Fusion Experiment with Ti and Pd Foils Implanted with Deuteron Beams

J. Kasagi, K. Ishii, M. Hiraga and K. Yoshihara

Observation of High Energy Protons Emitted in the TiD_x + D Reaction at E_d = 150 keV
and Anomalous Concentration of ³He

A. B. Karabut, Ya. R. Kucherov and I. B. Savvatimova

Possible Nuclear Reactions Mechanisms at Glow Discharge in Deuterium

K. Kaliev, A. Baraboshkin, A. Samgin, E. Golikov, A. Shalyapin, V. Andreev and P. Goluburchiy

Reproducible Nuclear Reactions during Interaction of Deuterium with Oxide Tungsten Bronze

D. Gozzi, P. L. Cignini, R. Caputo, M. Tomellini, G. Balducci, G. Gigli, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice and G. M. Urciuoli
Experiments with Global Detection of Cold Fusion Byproducts

Afternoon Session I (Poster)

Nuclear Products I

- 24PI-1 D. B. Buehler, L. D. Hansen, S. E. Jones and L. B. Rees
Is Reported "Excess Heat" Due to Nuclear Reactions ?
- 24PI-2 M. Nakada, T. Kusunoki and M. Okamoto
Energy of the Neutrons Emitted in Heavy Water Electrolysis
- 24PI-3 E. Yamaguchi and T. Nishioka
Direct Evidence for Nuclear Fusion Reactions in Deuterated Palladium
- 24PI-4 M. H. Miles and B. F. Bush
Search for Anomalous Effects Involving Excess Power and Helium during D₂O Electrolysis Using Palladium Cathodes
- 24PI-5 J. Kasagi, K. Ishii, M. Hiraga and K. Yoshihara
Observation of High Energy Protons Emitted in the TiD_x + D Reaction at E_d = 150 keV and Anomalous Concentration of ³He
- 24PI-6 K. Kaliev, A. Baraboshkin, A. Samgin, E. Golikov, A. Shalyapin, V. Andreev and P. Goluburchiy
Reproducible Nuclear Reactions during Interaction of Deuterium with Oxide Tungsten Bronze
- 24PI-7 D. Gozzi, P. L. Cignini, R. Caputo, M. Tomellini, G. Balducci, G. Gigli, E. Cisbani, S. Frullani, F. Garibaldi, M. Jodice and G. M. Urciuoli
Experiments with Global Detection of Cold Fusion Byproducts
- †24PI-8 G. K. Hubler and G. P. Chambers
Search for Anomalous Nuclear Emissions by Means of Ion Beam Charging of Metals
- 24PI-9 D. R. O. Morrison
Review of Cold Fusion Experiments
- 24PI-10 T. N. Claytor, D. G. Tuggle and S. F. Taylor
Evolution of Tritium from Deuterated Palladium Subject to High Electrical Currents
- 24PI-11 J. O'M. Bockris, C. Chien, D. Hodko and Z. Minevski
Tritium and Helium Production in Palladium Electrodes and the Fugacity of Deuterium Therein
- 24PI-13 J. Sevilla, B. Escarpizo, F. Fernandez, F. Cuevas and C. Sanchez
Time-Evolution of Tritium Concentration in the Electrolyte of Prolonged Cold Fusion Experiments and its Relation to the Ti Cathode Surface Treatment
- *24PI-14 F. Dalidchik, Yu. Romyantsev, R. Stukan and A. Shishkov
Hard Emission Generation and Tritium Accumulation during D₂O Electrolysis with Pd Cathode
- †24PI-15 A. B. Karabut, Ya. R. Kucherov and I. B. Savvatimova
Gamma-Spectrometry at Glow Discharge in Deuterium
- 24PI-16 B. Stella, M. Alessio, M. Corradi, F. Croce, F. Ferrarotto, S. Improta, N. Iucci, V. Milone, G. Villorosi, F. Celani, A. Spallone
The FERMI Apparatus and a Measurement of Tritium Production in an Electrolytic Experiment
- 24PI-17 B. Stella, M. Corradi, F. Ferrarotto, V. Milone, F. Celani and A. Spallone
Evidence for Stimulated Emission of Neutrons in Deuterated Palladium
- †24PI-18 R. Zhu, X. Wang, F. Lu, P. Tang, H. Liu, G. Chen, Z. Zou, Y. Liu, Z. Li, Z. Chen and D. Ding
A New Device for Measuring Neutron Burst in Cold Fusion Experiment
- 24PI-19 T. Shirakawa, M. Chiba, M. Fujii, K. Sueki, S. Miyamoto, Y. Nakamitsu, H. Toriumi, T. Uehara, H. Miura, T. Watanabe, K. Fukushima, T. Hirose, T. Seimiya and H. Nakahara
Neutron Emission from Crushing Process of High Piezoelectric Matter in Deuterium Gas

- 24PI-20 M. Fujii, M. Chiba, K. Fukushima, M. Katada, T. Hirose, K. Kubo, H. Miura, S. Miyamoto, H. Nakahara, Y. Nakamitsu, T. Seimiya, T. Shirakawa, K. Sueki, H. Toriumi, T. Uehara and T. Watanabe
Measurement of Neutrons in Electrolysis at Low Temperature Range
- *24PI-21 F. Kayumov, G. Merzon, D. Minasyan, A. Rusetsky, V. Tsarev and G. Tsyrlina
Search for Proton Emission in Cold Fusion Reactions II
- †24PI-22 P. I. Golubnichy, N. V. Gribinichenko, V. A. Kurakin, V. V. Litvinenko, V. A. Piven, O. N. Pustovy, A. D. Philonenko, A. A. Tsaric, E. E. Shimko, A. N. Baraboshkin, V. G. Gorodetsky, A. I. Samgin and V. A. Tsarev
Search for Nuclear Emission at Phase Transition of I and II Kind in a Series of Deuterium Carrying Systems
- †24PI-23 P. I. Golubnichy, V. V. Litvinenko, A. D. Philonenko, A. A. Tsaric, Y. A. Artemenko, A. F. Volkov, A. V. Goltsov, V. A. Goltsov and V. A. Tsarev
Results of Correlation Experiments on the Problem of Low Temperature Nuclear Fusion in Some Metal and Intermetal System
- 24PI-24 A. Y. Gavrilyuk, P. I. Golubnichy, N. V. Gribinichenko, V. V. Litvinenko, A. D. Philonenko, A. A. Tsaric, O. A. Bezsheiko, A. P. Degtyarev, I. B. Mikhnitsky, G. A. Prokopets and V. A. Tsarev
High Efficiency Low Background Measuring-Computing Complex for Correlation Experiments on the Problem of Low Temperature Fusion
- †24PI-25 P. I. Golubnichy, V. V. Litvinenko, O. N. Pustovy, A. D. Philonenko, A. A. Tsaric, A. N. Baraboshkin, V. G. Gorodetsky, A. I. Samgin and V. A. Tsarev
Correlation Experiment Results on Registration of Neutron Electromagnetic and Acoustic Emission at Hydration of Lithium Deuterid in Heavy Water
- 24PI-26 O. Matsumoto, K. Kimura, Y. Saito, H. Uyama, T. Yaita, A. Yamaguchi and O. Suenaga
Detection of Neutron and Tritium during Electrolysis of $D_2SO_4 - D_2O$ Solution
- *24PI-27 S. Y. Duan, S. Q. Cheng, X. M. Chen, Z. G. Yang, Q. Pan and W. S. Guan
The Observation of the Abnormal Nuclear Reaction Phenomenon in the Deuterated Metal
- 24PI-28 M. Agnello, E. Botta, T. Bressani, D. Calvo, A. Feliciello, P. Gianotti, F. Iazzi, C. Lamberti, B. Minetti and A. Zecchina
Measurement of 2.5 MeV Neutron Emission from Ti/D and Pd/D Systems
- †24PI-29 N. Wada and T. Goto
Nuclear Fusion in Solid
- 24PI-30 E. Choi, H. Ejiri and H. Ohsumi
Limit on Fast Neutrons from DD Fusion in Deuterized Pd by Means of Ge Detector
- 24PI-31 M. Fujiwara and K. Sakuta
Statistically Significant Increase in Neutron Counts for Palladium Plate Filled with Deuterons by Electrolysis
- 24PI-32 H. Yamada, N. Sugaya, T. Kamioka, M. Matsukawa, T. Fujiwara and K. Noto
Neutron Emission from Palladium Electrodes in Deuterium Gas under Highly Non-uniform Electric Field
- 24PI-33 W. X. Liang, D. M. Xu, G. Y. Zhang, Z. L. Yao and E. Y. Wang
Neutron Measurements in a AC-Discharged Tube
- 24PI-34 L. J. Yuan, C. M. Wan, C. Y. Liang and S. K. Chen
Neutron Monitoring on Cold Fusion Experiments
- 24PI-35 D. L. Wang, S. H. Chen, D. X. Fan, W. J. Chen, Y. J. Li, Y. B. Fu and X. W. Zhang
Experimental Studies on the Anomalous Phenomenon in Pd Metal Loaded with Deuterium
- 24PI-36 H. Q. Long, R. S. Xie, S. H. Sun, H. Q. Liu, J. B. Gan, B. R. Chen, X. W. Zhang and W. S. Zhang
The Anomalous Nuclear Effects Inducing by the Dynamic Low Pressure Gas Discharge in a Deuterium/Palladium System

- 24PI-37 S. Miyamoto, K. Sueki, H. Iwai, M. Fujii, T. Shirakawa, H. Miura, T. Watanabe, H. Toriumi, T. Uehara, Y. Nakamitsu, M. Chiba, T. Hirose and H. Nakahara
Measurement of Protons and Observation of the Change of Electrolysis Parameters in the Galvanostatic Electrolysis of the 0.1M-LiOD/D₂O Solution
- 24PI-38 Q. F. Zhang, Q. Q. Gou, Z. H. Zhu, B. L. Xio, J. M. Lou, F. S. Liu, J. X. S. , Y. G. Ning, H. Xie and Z. G. Wang
The Detection of ⁴He in Ti-Cathode on Cold Fusion
- 24PI-39 T. Iida, M. Fukuhara, H. Miyazaki, Y. Sueyoshi, Sunarno, J. Datemichi and A. Takahashi
Deuteron Fusion Experiment with Ti and Pd Foils Implanted with Deuteron Beams
- 24PI-40 K. -H. Lee and Y. -M. Kim
The Change of Tritium Concentration during the Electrolysis of D₂O in Various Electrolytic Cells
- 24PI-41 H. Uchida, Y. Hamada, Y. Matsumura and T. Hayashi
Detection of Radioactive Emissions in the Electrolytic Deuteriding-Dedeuteriding Reactions of Pd and Ti
- 24PI-42 S. H. Chen, D. L. Wang, W. J. Chen, Y. J. Li, Y. B. Fu and X. W. Zhang
The Sensitizing Phenomenon of X-Ray Film in the Experiment of Metals Loaded with Deuterium
- 24PI-43 G. Y. Fan, X. F. Wang, G. S. Huang, H. Y. Zhou, Z. E. Han, Z. D. Wu
Production of Neutron and Tritium from D₂O Electrolysis with Palladium Cathode
- †24-PI-44 R. A. Monti
Low Energy Transmutations

Afternoon Session II (Poster)

Nuclear Products II

- 24PI-1 H. Sakaguchi, G. Adachi and K. Nagao
Helium Isotopes from Deuterium Absorbed in LaNi₅
- 24PI-2 R. Taniguchi and T. Yamamoto
Fine Structure of the Charged Particle Bursts Induced by D₂O Electrolysis
- †24PI-3 S. Jin, F. Zhang, Y. Liu and W. Shi
Anomalous Nuclear Effects in Pd/D and YBCO/D Systems
- 24PI-4 D. W. Mo, L. Zhang, B. X. Chen, Y. S. Liu, S. Y. Doing, M. Y. Yao, L. Y. Zhou, H. G. Huang, X. Z. Li, X. D. Shen, S. C. Wang, T. S. Kang and N. Z. Huang
Real Time Measurements of the Energetic Charged Particles and the Loading Ratio (D/Pd)
- †24PI-5 H. Liu and F. E. Cecil
Investigation of Charged Particle Emission from Titanium/Palladium Cathode Glow Discharge Experiments
- 24PI-6 H. Q. Long, S. H. Sun, H. Q. Liu, R. S. Xie, X. W. Zhang and W. S. Zhang
Anomalous Effects in Deuterium/Metal Systems
- †24PI-7 A. B. Karabut, Ya. R. Kucherov, I. B. Savvatimova and A. D. Kurepin
Heavy Charged Particles Registration at Glow Discharge in Deuterium
- 24PI-8 K. Watanabe, Y. Fukai, N. Niimura and O. Konno
A Search for Fracture-Induced Nuclear Fusion in Some Deuterium-Loaded Materials
- 24PI-9 R. K. Rout, A. Shyam, M. Srinivasan and A. B. Garg
Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium
- *24PI-10 J. Jorné and E. Granite
Neutron Emission Studies during the Electrolysis of Deuterium Using BaCeO₃ Solid Electrolyte and Pd Electrodes
- †24PI-11 G. P. Chambers and G. K. Hubler
Search for Anomalous Charged Particle Emissions from Deuterium-Charged Solids Using a Particle Telescope

Excess Heat II

- 24PI-12 A. Takahashi, A. Mega, T. Takeuchi, H. Miyamaru and T. Iida
Anomalous Excess Heat by D₂O/Pd Cell under L-H Mode Electrolysis
- 24PI-13 F. Celani, A. Spallone, P. Tripodi and A. Nuvoli
Measurements of Excess Heat and Tritium during Self-Biased Pulsed Electrolysis of Pd-D₂O
- 24PI-14 M. Fleischmann and S. Pons
Calorimetry of the PD-D₂O System: from Simplicity via Complications to Simplicity
- 24PI-15 S. I. Smedley, S. Crouch-Baker, M. C. H. McKubre and F. L. Tanzella
The January 2, 1992, Explosion in a Deuterium/Palladium Electrolytic System at SRI International
- 24PI-16 M. H. Miles and B. F. Bush
Calorimetric Principles and Problems in Pd-D₂O Electrolysis
- 24PI-17 X. Zhang, W. Zhang, D. Wang, S. Chen Y. Fu, D. Fan and W. Chen
On the Explosion in a Deuterium/Palladium Electrolytic System
- 24PI-18 C. M. Wan, C. J. Lihn, Z. H. Chin, C. Y. Liang, S. K. Chen, C. C. Wan and T. P. Perng
Repeated Heat Bursts in the Electrolysis of D₂O
- 24PI-19 N. Hasegawa, K. Kunimatsu, T. Ohi and T. Terasawa
Observation of Excess Heat during Electrolysis of 1M LiOD in a Fuel Cell Type Closed Cell
- 24PI-20 M. Kobayashi, N. Imai, N. Hasegawa A. Kubota and K. Kunimatsu
Measurements of D/Pd and Excess Heat during Electrolysis of LiOD in a Fuel-Cell Type Closed Cell Using a Palladium Sheet Cathode
- 24PI-21 L. Bertalot, F. de Marco, A. de Ninno, A. La Barbera, F. Scaramuzzi, V. Violante and P. Zeppa
Study of Deuterium Charging in Palladium by the Electrolysis of Heavy Water: Search for Heat Excess and Nuclear Ashes
- 24PI-22 H. Miyamaru and A. Takahashi
Periodically Current-Controlled Electrolysis of D₂O/Pd System for Excess Heat Production
- 24PI-23 M. E. Melich and W. N. Hansen
Some Lessons from 3 Years of Electrochemical Calorimetry
- *24PI-24 Y. Tanaka
An ep Particle Theory and Experiments Proving the Theory
- *24PI-25 Z. Zhang and F. Tan
Further Examination of Fusion Products and Anomalous Heat Generated during the Electrolysis of Heavy Water
- 24PI-26 Y. Arata and Y. -C. Zhang
"Cold" Fusion in a Complex Cathode
- 24PI-27 E. E. Criddle
Implications of Isoperibolic Electrode Calorimetry for Cold Fusion : The Silica Effect
- †24PI-28 T. A. Chubb, M. Daehler and K. H. Stern
Electrochemistry of Pd Anodes in Hydrided Molten Salt
- 24PI-29 C. M. Wan, S. K. Chen, C. Y. Liang, C. J. Linn, C. J. Linn, S. B. Chu and C. C. Wan
Anomalous Heat Generation/Absorption in Pd/Pd/LiOD/D₂O/Pd Electrolysis System
- 24PI-30 K. Ota, M. Kuratsuka, K. Ando, Y. Iida, H. Yoshitake and N. Kamiya
Heat Production at the Heavy Water Electrolysis Using Mechanically Treated Pd Cathode
- 24PI-31 S. Isagawa, Y. Kanda and T. Suzuki
Search for Excess Heat, Neutron Emission and Tritium Yield from Electrochemically Charged Palladium in D₂O
- 24PI-32 R. T. Bush and R. D. Eagleton
Experiments Supporting the Transmission Resonance Model for Cold Fusion in Light Water: I. Correlation of Isotopic and Elemental Evidence with Excess Heat

- 24PI-33 R. T. Bush and R. D. Eagleton
Experimental Studies Supporting the Transmission Resonance Model for Cold Fusion in Light Water: II Correlation of X-Ray Emission with Excess Power
- 24PI-34 B. Y. Liaw and B. E. Liebert
A Potential Shuttle Mechanism for Charging Hydrogen Species into Metals in Hydride-Containing Molten Salt Systems
- 24PI-35 R. Notoya and M. Enyo
Excess Heat Production in Electrolysis of Potassium Carbonate Solution with Nickel Electrodes
- 24PI-36 T. Ohmori and M. Enyo
Excess Heat Produced during Electrolysis of H₂O on Ni, Au, Ag and Sn Electrodes in Alkaline Media

October 25, Sunday

Morning Session I (Oral) Chairpersons : D. Rolison and M. Okamoto

Nuclear Products

T. N. Claytor, D. G. Tuggle and S. F. Taylor

Evolution of Tritium from Deuterided Palladium Subject to High Electrical Currents

J. O'M. Bockris, C. Chien, D. Hodko and Z. Minevski

Tritium and Helium Production in Palladium Electrodes and the Fugacity of Deuterium Therein

M. Nakada, T. Kusunoki and M. Okamoto

Energy of the Neutrons Emitted in Heavy Water Electrolysis

Activity Report

X. Li : Cold Fusion Researches in China

V. Tsarev : Cold Fusion Researches in Russia

F. Scaramuzzi : Cold Fusion Research in Italy

Round Table Discussion for the Next Step

E. Yamaguchi, M. C. H. McKubre, P. Hagelstein, S. Jones, T. Perng,

M. Fleischmann, V. Tsarev, A. Takahashi and T. Bressani

Closing Remarks H. Ikegami