

International Nuclear Physics Conference INPC2007
Tokyo International Forum, June 3-8, 2007
Scientific Program

June 3 (Sun) Symposium for Centennial Celebration of Hideki Yukawa

- Hideki Yukawa and Nuclear Physics -

12:00-19:00 Registration
13:00-15:30 Session S1 Speakers: H. Sato, T. Yamazaki, A. Zichichi, T.D. Lee
15:45-18:00 Session S2 Speakers: A. Arima, Y. Nambu, J.P. Schiffer
18:00-20:00 Welcome drink

June 4 (Mon)

9:00- 9:30 Registration
9:30-11:50 Plenary session P1 Speakers: W. Weise, A. Suzuki, T. Otsuka,
M. Ramsey-Musolf
13:30-15:00 Opening Ceremony
16:00-20:00 Parallel sessions (MA/MB) + Poster session (QM)

June 5 (Tue)

9:00-11:00 Plenary session P2 Speakers: D.J. Dean, T. Glasmacher, A.C.C. Villari, J. Aysto
11:30-13:00 Plenary session P3 Speakers: K. Morita, A.C. Fonseca, E. Hiyama
14:30-18:30 Parallel Sessions (TA/TB) + Poster Sessions (QT)

June 6 (Wed)

9:00-10:35 Plenary session P4 Speakers: J.A. Tostevin, T. Aumann, M. Vanderhaeghen
11:05-12:45 Plenary session P5 Speakers: M. Grosse Perdekamp, S.L. Zhu, A. Schaefer
14:30-18:30 Parallel Sessions (WA/WB) + Poster Sessions (QW)

June 7 (Thu)

9:00- 11:00 Plenary session P6
Reports on IUPAP C12 and IUPAP Young Scientist Prize by W. Henning
Presentations by the Prize Winners
Award of Nuclear Physics A Young Scientist Prize by NPA
Report on IUPAP WG9 by A.W. Thomas
11:30-12:40 Plenary session P7 Speakers: U.A. Wiedemann, W. Zajc
12:50- Excursion
19:00- Banquet (Cruise in the Tokyo Bay)

June 8 (Fri)

9:00-10:40 Plenary session P8 Speakers: R.S. Hayano, G.J. Mathews, C. E. Rolfs
11:10-12:50 Plenary session P9 Speakers: E. Fiorini, N. Holtkamp, B. Frois

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– Hideki Yukawa and Nuclear Physics –

June 3 (Sun)	Name	Affiliation	Title of the talk
13:00-13:05	Shoji Nagamiya	J-PARC center	Opening remarks
13:05-13:45	Humitaka Sato	Yukawa Memorial Foundation	Biography of Hideki Yukawa
13:45-14:00	Toshimitsu Yamazaki	Nishina Memorial Foundation	Interplay between Yukawa and Tomonaga in the Birth of Mesons
14:00-14:45	Antonino Zichichi	World Federation of Scientists	From the Yukawa Particle to the QGCW
14:45-15:30	T.D. Lee	Columbia University	Symmetry and Asymmetry
15:45-16:30	Akito Arima	Japan Science Foundation	Hideki Yukawa and Nuclear Physics
16:30-17:15	Yoichiro Nambu	University of Chicago	Legacies of Yukawa and His Disciples, A Personal View
17:15-18:00	John P. Schiffer	Argonne/ University of Chicago	Perspective on the Development of Nuclear Physics in the Past 100 Years

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Plenary Sessions

June 4 (Mon)	Name	Affiliation	Title of the talk
9:30-10:15	W. Weise	TU Munchen	Overview and perspectives of nuclear physics
10:15-10:50	A. Suzuki	KEK	Present status of neutrino masses and oscillations
10:50-11:20	T. Otsuka	U. Tokyo	Exotic Nuclei and Yukawa's Forces
11:20-11:50	M. Ramsey-Musolf	U. Wisconsin/ Caltec	Low Energy Tests of the Standard Model
June 5 (Tue)			
9:00- 9:30	D.J. Dean	Oak Ridge Nat'l Lab	Present and future of nuclear structure theory
9:30- 10:00	T. Glasmacher	Michigan State U	In-beam gamma-ray spectroscopy with fast beams of rare isotopes
10:00-10:30	A.C.C. Villari	GANIL	Recent activities with post-accelerated RIBs: Techniques and Physics
10:30-11:00	J. Aysto	U. Jyvaskyla	Overview of recent highlights at ISOL facilities
11:30-12:00	K. Morita	RIKEN	Experiments on searching for the heaviest elements
12:00-12:30	A.C. Fonseca	U. Lisbon	Few-body ab initio scattering calculations including Coulomb
12:30-13:00	E. Hiyama	Nara Woman's U.	Recent progress in hypernuclear physics
June 6 (Wed)			
9:00- 9:35	J.A. Tostevin	U. Surrey	Nuclear reactions as probes of exotic nuclei
9:35- 10:05	T. Aumann	GSI	Giant resonances in exotic nuclei - Experimental Status and Perspectives
10:05-10:35	M. Vanderhaeghen	Jefferson Lab	Overview of Nucleon Structure Studies
11:05-11:40	M. Grosse Perdekamp	U. Illinois/RBRC	Nucleon Spin Structure, 30 Years of Experiment: What have we learned?

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Plenary Sessions

11:40-12:10	S.L. Zhu	Peking U.	Spectroscopy of Mesons with Heavy Quarks
12:10-12:45	A. Schaefer	Regensburg U.	Hadron structure in Lattice QCD
June 7 (Thu)			
9:00- 9:15	W. Henning	GSI	Reports on IUPAP C12 and IUPAP Young Scientist Prize
9:15- 9:45	Prize Receptient (1)		
9:45-10:15	Prize Receptient (2)		
10:15-10:45	Prize Receptient (3)		
10:45-10:55	Nuclear Physics A		Nuclear Physics A Young Scientist Prize Award
10:55-11:00	A.W. Thomas	Jefferson Lab	Report on the work of the IUPAP Working Group 9
11:30-12:05	U.A. Wiedemann	CERN	Quark-gluon plasma: theoretical overview
12:05-12:40	W. Zajc	Columbia U.	Quark-gluon plasma: Experimental overview
June 8 (Fri)			
9:00- 9:30	R.S. Hayano	U. Tokyo	Experimental study of hadron properties in the nuclear medium
9:30-10:05	G.J. Mathews	Notre Dame U.	Recent Developments in Nuclear Astrophysics
10:05-10:40	C. E. Rolfs	U. Bochum	Direct measurements for reaction cross sections with high sensitivity
11:10-11:45	E. Fiorini	Milano U.	Present status of double beta decay
11:45-12:20	N. Holtkamp	ITER	Present Status and Future Prospects of ITER Project
12:20-12:50	B. Frois	Sacley	The future of nuclear energy in a global energy perspective

INPC2007 Parallel session schedule

			Hall C	B5(1)	D5	B5(2)	D7	G409	G502	G510	G7
June 4 Monday	MA	16:00-17:55	F1*		G1*		F2	D1*	J1	E1*	C1*
	MB	18:15-20:00	F3		G2		F4	D2	J2	E2	C2
June 5 Tuesday	TA	14:30-16:25	F5	G3*		F6*		D3*	C3*	A1*	H1*
	TB	16:45-18:30	F7	G4		F8*		D4	I1	B1*	H2*
June 6 Wednesday	WA	14:30-16:25	J3*	G5*		F9*		F10*	G6*	E3*	H3*
	WB	16:45-18:30	J4*	G7		F11		F12*	F13	E4	H4*

* invited talks

Session Subjects

A1	The Standard Model and Beyond	F9	Structure of medium-mass nuclei II
B1	Neutrino Physics	F10	Theoretical developments I
C1	Hot and Dense QCD I	F11	Structure of light and medium-mass nuclei
C2	Hot and Dense QCD II	F12	Theoretical developments II
C3	Hot and Dense QCD III	F13	Structure of medium-mass nuclei III
D1	Nucleon structure	G1	Reactions of unstable nuclei
D2	Hadron spectroscopy	G2	Fusion and fission dynamics I
D3	Nucleon structure	G3	Few body reactions
D4	Spin structure	G4	Few-body and light-ion reactions
E1	Medium Properties of Hadrons	G5	Light-ion reactions and reaction mechanism
E2	Kaon-Nuclear Interaction	G6	Nuclear fragmentation and equation of state
E3	Hyperon Interactions and Hypernuclear Physics I	G7	Fusion and fission dynamics II
E4	Hyperon Interactions and Hypernuclear Physics II	H1	Astrophysical nuclear reactions I
F1	Structure of light nuclei I	H2	Astrophysical nuclear reactions II
F2	Structure of heavy nuclei I	H3	Explosive Nucleosynthesis and the Environment
F3	Structure of light nuclei II	H4	Neutrino process and high density matter
F4	Structure of heavy nuclei II	I1	Nuclear Application
F5	Neutron-rich nuclei and excitation mechanisms	J1	New technologies on detectors and beams
F6	Structure of medium-mass nuclei I	J2	RI sources, today and tomorrow
F7	Structure of light nuclei III	J3	Coming New Facilities I
F8	Highly excited states	J4	Coming New Facilities II

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Invited Speakers for Parallel Sessions

June 4 Monday: MA (16:00-17:55) / MB (18:15- 20:00)

June 5 Tuesday: TA (14:30-16:25) / TB (16:45- 18:30)

June 6 Wednesday: WA (14:30-16:25) / WB (16:45- 18:30)

Session	Time	Room	Speaker	Affiliation
A1	TA	G510	W.T.H. van Oers	Manitoba U.
B1	TB	G510	C. Andreopoulos	Rutherford Appleton Lab.
C1	MA	G7	H. Specht	Heidelberg U.
C3	TA	G502	T. Hirano	Tokyo U.
D1	MA	G409	M. Kohl	MIT
D3	TA	G409	M. Strikman	Penn State U.
E1	MA	G510	S. Schadmand	Julich
E3	WA	G510	H. Tamura	Tohoku U.
F1	MA	C	Y. Kanada-En'yo	Kyoto U.
F6	TA	B5(2)	N. Aoi	RIKEN
F8	TB	B5(2)	Y. Fujita	Osaka U.
F9	WA	B5(2)	A. Gadea	INFN-LNL
F10	WA	G409	R. Roth	Darmstadt T.U.
F12	WB	G409	L. Coraggio	INFN-Napoli
G1	MA	D5	T. Kobayashi	Tohoku U.
G3	TA	B5(1)	E. Epelbaum	Julich
G5	WA	B5(1)	K. Ogata	Kyushu U.
G6	WA	G502	M. Colonna	INFN-LNS
H1	TA	G7	L. Buchmann	TRIUMF
H2	TB	G7	J. Pereira	Michigan State U.
H3	WA	G7	T. Kajino	NAO
H4	WB	G7	G. Martinez Pinedo	GSI
J3	WA	C	T. Nagae	KEK
J3	WA	C	K. deJager	Jefferson Lab
J3	WA	C	W. Henning	GSI
J3	WA	C	E. Vercellin	Torino U.
J4	WB	C	H. Sakurai	RIKEN
J4	WB	C	M. Lewitowicz	GANIL
J4	WB	C	W. Zhan	Lanzhou
J4	WB	C	R. Tribble	Texas A&M U.