Program

7/29 (Thu)

Session 1. 10:30 - 11:55

Opening
T. Motoba (Osaka E.-C.)
Opening Address (5)

Hadron Physics
M. Oka (TIT)*
Why do we need instantons in strangeness hadron physics? (25+5)
M.J. Vicent Vacas (Valencia)*
\(\Theta^+\) pentaquark in the nuclear medium (25+5)
H. Nagahiro (Nara W)
Production of \(\Theta^+\) hypernuclei with the \((K^+, \pi^+)\) reaction (15+5)

(Lunch 11:55-13:00)
Session 2.  13:00 - 14:30

Hadron Physics

H. Toki (RCNP)*
  Chiral symmetry, scalar di-quark and pentaquark (25+5)
T. Hyodo (RCNP)
  Photoproduction of $K^*$ for the study of $\Lambda(1405)$ (15+5)
J.K. Ahn (Pusan)
  Hyperon Photoproduction with the TPC Experiment at SPring-8 (15+5)
S. Yasui (RCNP)
  Chiral symmetry breaking and stability of strangelets (15+5)

(Break 14:30-14:45)

Session 3.  14:45 - 17:10

Weak Decay of Hypernuclei

K. Itohagi (Miyazaki)*
  Nonmesonic weak decay observable and LambdaN $\rightarrow$ NN interactions (25+5)
A. Parreno (Barcelona)*
  FSI in hypernuclear decay: connecting theory with experiments (25+5)
S. Kameoka (Tohoku)
  Mesonic and non-mesonic weak decay widths of $^5\Lambda$He and $^{12}\Lambda$C (20+5)

(Break 16:10-16:20)

H.C Bhang (Seoul)*
  Results of the exclusive coincidence measurements of the decay of Lambda hypernuclei (20+5)
T. Maruta (Tokyo)
  Proton asymmetry in the nonmesonic weak decay of polarized $^5\Lambda$He (15+5)

(Party 18:00-20:00)
7/30(Fri)
Session 4. 9:00 - 10:45

Weak Interaction
S. Marcello (INFN-Torino)*
  First results on hypernuclear physics at FINUDA (25+5)
S. Minami (Osaka E.-C.)
  Weak production of Λ hyperon by the p + n → p + Λ reaction (15+5)

Photoproduction
O. Hashimoto (Tohoku)*
  Sub-keV Lambda hypernuclear spectroscopy by the (e, e' K+) reaction (25+5)
T. Watanabe (Tohoku)
  Neutral kaon quasi-free photoproduction on carbon near the threshold (15+5)

(Break 10:45-11:00)

Session 5. 11:00 - 13:00

Photoproduction
P. Bydzovskii (Prague)*
  Kaon photoproduction on the nucleon and the deuteron (25+5)
T. Mart (Jakarta)*
  Kaon photoproduction on the nucleon: Feynman and Regge descriptions (25+5)
S. Agus (Okayama)
  Rescattering effects and two-step process in kaon photoproduction on the deuteron (15+5)
K. Tsukada (Tohoku)
  Photoproduction of neutral kaons on a deuterium target in the threshold region (15+5)

Astrophysical Matters
T. Maruyama (JAERI)
  Non-uniform matter structure in kaon condensate (15+5)

(Lunch 13:00-14:20)
Session 6.  14:20 - 16:00

Astrophysical Matters

T. Takatsuka (Iwate)*
  Lambda-sigma pairing in hyperon-mixed neutron stars (25+5)
C. Ishizuka (Hokkaido)
  Effects of hyperons and muons on supernova explosion (15+5)
A. Onishi (Hokkaido)
  Hyperon potential in nuclear matter and its effects on supernova explosion (25+5)
T. Muto (Chiba)
  Kaon condensation in hyperonic matter and possibility of self-bound stars (15+5)

(Break 16:00-16:15)

Session 7.  16:15 - 18:25

Kaonic Atom/Nuclei

T. Kishimoto (Osaka)*
  Observation of kaonic nuclei and Kaon nucleus interaction (25+5)
T. Suzuki (Tokyo)*
  A search for deeply bound kaonic nuclear states (25+5)
A. Gal (Jerusalem)*
  Deeply bound kaons (25+5)
A. Dote (KEK)
  Reconsideration of \( \overline{K} \) nuclei, based on the experimental result (15+5)
T. Koike (RIKEN)
  Electron population during the cascade process of kaonic nitrogen atoms and charged kaon mass (15+5)
7/31(Sat)

Session 8. 9:00 - 10:50

Hyernuclear Structure & Baryon Interaction/Reaction

K. Nakazawa (Gifu)*
   Study of double-Lambda hypernuclei and perspective (25+5)
T. Saito (GSI/Mainz)*
   Hypernuclear project at GSI/Mainz(* to be confirmed) (25+5)
D. Lanskoy (Moscow)*
   Baryonic mixing and production of hypernuclei (25+5)
T. Yamada (Kanto Gakuin)
   ΛΛ-ΞN-ΣΣ coupling effect in light nuclei with NSC97 (15+5)

(Break 10:50-11:00)

Session 9. 11:00 - 12:25

Hyernuclear Structure & Baryon Interaction/Reaction

H. Nemura (KEK)
   Few-body systems with strangeness (15+5)
M. Ukai (Tohoku)
   Study of p-shell hypernuclei with Hyperball (20+5)
Y. Miura (Tohoku)
   The lifetime measurement of the gamma transition in \(^{11}\Lambda B\) (15+5)
T. Fukuda (Osaka E.-C.)
   Production of neutron-rich hypernuclei and future experiments at J-PARC (15+5)

(Lunch 12:25-13:30)
Session 10.  13:30 - 16:10

Hypermolecular Structure & Baryon Interaction/Reaction

Y. Yamamoto (Tsuru)*
  *Hypernuclear implications of Nijmegen soft-core models (25+5)

T.A. Rijken (Nijmegen)*
  *Baryon-baryon interaction/Soft-core model at intermediate energies (25+5)

T. Harada (Osaka E.-C.)
  *Optimal Fermi-averaging t-matrix for Lambda quasi-free spectra on the $^{12}C(\pi^+,K^+)$ reactions (15+5)

(Break 14:50-15:00)

H. Maekawa (Hokkaido)
  *Analysis of (π, K) spectra in distorted wave impulse approximation (15+5)

Y. Fujiiwara (Kyoto)
  *Faddeev calculations of light Lambda hypernuclei based on the SU(6) quark-model baryon-baryon interactions (15+5)

C. Nakamoto (Suzuka)
  *Quark-model potentials in the $B_sB_s$ systems (15+5)

Concluding

K. Imai (Kyoto)
  *Concluding Remarks (10) (to be confirmed)