

Workshop on $S = -2$ and the related Nuclear Physics
in HIDA-Takayama 2012 Gifu, Japan, Nov.25-27

PROGRAM

November 25 (Sun)	
Session I :	Chairperson: E. Hiyama
14:00 – 14:25	S. Shinmura (20+5min) On the S-wave Kbar-N and Kbar-hyperon Interactions
14:25 – 14:50	N.T.H. Xiem (20+5min) On the p π i, K π i and KK interactions
14:50 – 15:15	C. Nakamoto (20+5min) Baryon-baryon interactions in the SU(6) quark model
15:15 – 15:30	Break
Session II :	Chairperson: T. Motoba
15:30 – 15:55	Y. Yamamoto (20+5min) Multi-pomeron exchange repulsion and neutron-star mass
15:55 – 16:20	T. Takatsuka (20+5min) ハイパー核の実験情報と中性子星の冷却問題
16:20 – 16:45	T. Muto (20+5min) K中間子凝縮－ハイペロン共存と中性子星観測との整合性
16:45 – 17:10	K. Itonaga (20+10min) Possible parity-violating interaction dominance in the nonmesonic weak decay
18:00 ~	Dinner
November 26 (Mon.)	
Session III :	Chairperson: K. Nakazawa
9:00 – 9:45	H. Sun (40+5min) Searching for the No-Neutrino Double Beta Decay
9:45 – 10:30	K. Niu (40+5min) 「相互作用の運動量」の媒介による中間子多重発生の「丹生モデル」
10:30 – 10:55	D. Zhang (20+5min) Nuclear Emulsion in China
10:55 – 11:10	Break
Session IV :	Chairperson: H. Takahashi
11:10 – 11:40	T. Saito (25+5min) Study of hypernuclei with induced reactions of heavy ion beams
11:40 – 12:05	E. Hiyama (20+5min) Study of $S = -2$ systems
12:05 – 12:30	T. Motoba (20+5min) Production of sd-shell Ξ hypernuclei
12:40 ~14:00	Lunch

November 26 (Mon.)

Session V : Free Discussion

14:00 – 17:00

Theory Chair : E. Hiyama

- Theoretical aspect for multi-strangeness system
- Strangeness in dense matter (i.e. neutron star)

Experiment Chair : K. Nakazawa

- Physics with nuclear emulsion
- Beam request and condition at J-PARC

18:00 ~ Dinner

November 27 (Tue.)

Session VI : Chairperson: Y. Yamamoto

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| 9:00 – 9:25 | K. Nakazawa (20+5min)
Schedule of the E07 Experiment (Preparation, Beam, Analysis) |
| 9:25 – 9:50 | K. Umehara
Development of automatic tracking of Ξ^- hyperons to detect
Double Hypernuclei (E07 in J-PARC) |
| 9:50 – 10:15 | J.K. Ahn (20+5min)
Search for the H-dibaryon near Lambda-Lambda threshold |
| 10:15 – 10:30 | Break |

Session VII : Chairperson T. Saito

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| 10:30 – 10:55 | T. Watabe (20+5min)
E07実験装置の進捗状況 – ムーバー及びシリコン検出器について – |
| 10:55 – 11:20 | T. Takahashi (20+5min)
新学術領域「実験と観測で解き明かす中性子星の核物質」の紹介 |
| 11:20 – 11:45 | H. Takahashi (20+5min)
J-PARCハドロン施設の現状と今後のスケジュール |
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