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"Strangeness Nuclear Physics Experiments"

from **Wednesday 05 March 2008 (11:00)**
to **Thursday 06 March 2008 (19:00)**
at **Hall E**

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11:00->12:30 Joint session on the Hadron Experimental Facility
(Location: Hall B)

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09:00->10:40 **Hypernuclear Spectroscopy [Chair S Marcello (Torino)]**

09:00 Hypernuclear spectroscopy with a high-resolution beamline H Noumi (*RCNP*)
(tentative) (25')

09:25 Hypernuclear spectroscopy at Jefferson Lab. Results from the HKSJ Reinhold (*FIU*)
experiment (E01-011) (20')

09:45 Hypernuclear spectroscopy at Jefferson Lab. The third generation A Matsumura
experiment (E05-115) (15')

10:00 Study on neutron-rich Lambda-hypernuclei at J-PARC (20') (A Sakaguchi (*Osaka*)
 Slides )



10:20 Hypernuclear spectroscopy in flight: Hypernuclear T.R Saito (*GSI/Mainz*)
spectroscopy with heavy ion beams and proton beams (20')

10:40 break

11:00->12:40 **Spectroscopy, Weak decays [Chair H Outa (RIKEN)]**

11:00 Status of Hyperball-J and gamma-ray spectroscopy of the T Koike (*Tohoku*)
sd-shell hypernuclei (E13) (20')

11:20 Non-mesonic weak decay of hypernuclei; Present status and G Garbarino (*Torino*)
need for future experiments (20')



11:40 Decay pion spectroscopy from light and exotic hypernuclei at L Tang (*Hampton*)
JLAB (20')  Slides )

12:00 Study of the nonmesonic weak decay of 4-body Lambda S Ajimura (*RCNP*)
hypernuclei (20')



12:20 Exclusive measurement of NMWD of 12-C-Lambda hypernucleus H Bhang (*SNU*)
and three-body interaction process (E18) (20')

12:40 break

13:30->15:10 Multi-Strangeness, Interactions, etc ... [Chair B Bassalleck (New Mexico)]

- 13:30 Spectroscopic studies of S=-2 systems (20') K Tanida (*Kyoto*)
- 13:50 Lattice QCD calculation for N-Xi interaction (20') H Nemura (*RIKEN*)
- 14:10 A search for charmed nuclei (20') T Tsunemi
- 14:30 Proposal of a hyperon-nucleon scattering experiment using a Scifi-MPPC system (20') K Miwa (*Tohoku*)
- 14:50 K^+ scattering from nuclear targets (20') ( Slides:  E. V Hungerford (*Houston*))
- 15:10 break

15:30->18:40 Mesic Systems [Chair T.B.A.]

- 15:30 An experimental search for strange multibaryonic states via the $4\text{He}(\text{stopped } K^-, YN)$ reactions (20') T Suzuki (*RIKEN*)
- 15:50 From multi-Kbar nuclei to kaon condensation? (30') ( Slides:  A Gal (*Hebrew*))
- 16:20 The search for deeply-bound kaonic nuclear states by the in-flight $3\text{He}(K^-, n)$ reaction (20') F Sakuma (*RIKEN*)
- 16:40 Formation of Kbar-nucleus systems at J-PARC (20') J Yamagata (*Nara-W*)
- 17:00 Perspectives of hadronic atom research (tentative) (30') J Marton (*SMI*)
- 17:30 Precision spectroscopy of kaonic helium-3 X-rays (20') M Iio (*RIKEN*)
- 17:50 Spectroscopy of eta-mesic nuclei by the (π^-, n) reaction (20') H Fujioka (*Tokyo*)
- 18:10 Discussion & preparation for summary talk (30')