

## E521 T. Fukuda

### Production of neutron-rich $\Lambda$ hypernuclei by the $(\pi^-, K^+)$ double-charge exchange reaction

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Beam line	K6
Shift requested	40 + 45 extension
Shift executed	40 + 34 extension
Executed cycles	02[3-1], 03[3]

## Papers and activities

[Legend]

- Physics papers published in refereed journal
  - Technical papers
  - ★ PhD theses
  - ◇ Conference and Symposium
  - \* Internal Report and others
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- P.K. Saha et al.  
Production of the Neutron-Rich Hypernucleus  $^{10}\Lambda\text{Li}$  in the  $(\pi^-, K^+)$  Double Charge-Exchange Reaction  
Phys. Rev. Lett. 94 (2005) 052502-1 - 4.
  - ★ W. Imoto  
 $(\pi^-, K^+)$ 反応による中性子過剰  $\Lambda$  ハイパー核の生成  
Osaka Electro-Communication University, March 2006
  - ◇ P. K. Saha et al.  
Production of Neutron-Rich Lambda Hypernuclei by the  $(\pi^-, K^+)$  Double Charge-Exchange Reaction  
International Conference on Hypernuclear and Strange Particle Physics, JLab, Oct. 14-18, 2003.
  - ◇ T. Fukuda  
Present Status and Future Plans for Hypernuclear Physics in Japan  
Proc. of Int. Conference on Physics at Meson Factories, Frascati, June 7-11, 2004
  - ◇ T. Fukuda  
Production of Neutron-Rich Hypernucleus by the  $(\pi^-, K^+)$  Double-Charge Exchange Reaction  
Proc. of Int. Workshop on Strangeness Nuclear Physics (SNP04), Osaka, July 29-31 (2004)
  - ◇ T. Fukuda et al.  
Hypernuclear physics with single and double charge-exchange reactions  
Proc. of Int. workshop on Strangeness Nuclear Physics (SNP06), Zhang Jia Jie, China, September 5-9 (2006)
  - \* W. Imoto  
Neutron-Rich Lambda Hypernuclear Production by the  $(\pi^-, K^+)$  Double Charge-Exchange Reaction  
Poster presentation at the International Conference on Hypernuclear and Strange Particle Physics, JLab, Oct. 14-18, 2003.

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