

**E518 H. Tamura**  
**High-Precision  $\gamma$  spectroscopy of  $^{11}_{\Lambda}\text{B}$  target**

Submitted	2002.6.21
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Beam line	K6
Shift requested	80
Shift executed	80
Executed cycles	02[3-2]

**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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- O. Hashimoto and H. Tamura  
Spectroscopy of  $\Lambda$  hypernuclei  
Prog. Part. Nucl. Phys. 57 (2006) 564-653.
  - ★ Y. Miura  
Gamma-Ray Spectroscopy of  $^{11}_{\Lambda}\text{B}$  and  $^{10}_{\Lambda}\text{B}$   
Tohoku University, March 2005
  - ◇ H. Tamura et al.  
Recent Progress in  $\gamma$  -Ray Spectroscopy of Hypernuclei  
Int. Workshop on "Electro-photoproduction of Strangeness on Nucleons and Nuclei" (SENDAI03),  
Sendai, June 16-18, 2003, Ed. K. Maeda et al., World Scientific (2004) in press.
  - ◇ Y. Miura et al.  
A Recent Experiment with Hyperball  
28th Mazurian Lakes Conference On Physics, Krzyze, August 31-September 7, 2003, Acta Physica  
Polonica B 35 (2004) 1019-1031.
  - ◇ Y. Miura et al.  
 $\gamma$  Spectroscopy of  $^{11}_{\Lambda}\text{B}$   
8th Int. Conf. on Hypernuclear and Strange Particle Physics (HYP2003), Jefferson Lab., October  
14-18, 2003, Nucl. Phys. A in press.
  - ◇ H. Tamura et al.  
 $\gamma$  -Ray Spectroscopy in  $\Lambda$  Hypernuclei  
8th Int. Conf. on Hypernuclear and Strange Particle Physics (HYP2003), Jefferson Lab., October  
14-18, 2003, Nucl. Phys. A in press.
  - ◇ H. Tamura  
Experimental Progress in Hypernuclear Physics,  
18th Nishinomiya Yukawa Memorial Symposium on "Strangeness in Nuclear Matter",  
Nishinomiya, December 4-5, 2003, Prog. Theor. Phys. in press.
  - ◇ Y. Miura et al.  
g-Factor of  $\Lambda$  in the Hypernuclei Studied from B(M1) Measurement,  
YITP Workshop on "Nuclear Matter under Extreme Conditions" (Matter03), Kyoto, December 1-3,  
2004, Prog. Theor. Phys. in press.

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  - ◇ Conference and Symposium.
  - \* Internal Report and others.

- ◇ Y. Miura et al. (E518 collaboration),  
A Recent Experiment with Hyperball  
Proc. XXVIII Mazurian Lakes Conference on Physics, "Atomic Nucleus as a Laboratory for Fundamental Processes", Krzyze, Poland, August 31 - September 7, 2003. Acta Physica Polonica B 35, 1019-1031 (September, 2004).
- ◇ H. Tamura et al. (E930('01), E509, E518 collaborations),  
Recent Progress in Gamma-Ray Spectroscopy of Hypernuclei  
Proceedings of the "Electro-photoproduction of Strangeness in Nucleons and Nuclei (SENDAI03)"  
Sendai, June 15-18, 2003. World Scientific: 251-260 (2004)
- ◇ H. Tamura  
Experimental Progress in Hypernuclear Physics  
Proc. 18th Nishinomiya Yukawa Memorial Symposium, Nishinomiya, December 4-5, 2003. Prog. Theor. Phys. Suppl. 156, 104-123 (December, 2004).
- ◇ H. Tamura  
Gamma Spectroscopy of Hypernuclei  
Proc. 5th Italy-Japan Symposium on Recent Achievements and Perspectives in Nuclear Physics, Naples, November 3-7, 2004.  
Nucl. Phys. A in press.
- ◇ Y. Miura et al. (E518 collaboration),  
 $\gamma$  spectroscopy of  $^{11}_{\Lambda}\text{B}$   
Proc. Int. Conf. on Hypernuclear and Strange Particle Physics (HYP2003), Jefferson Lab., October 14-18, 2003, Nucl.Phys. A754 (2005) 75-79.
- ◇ H. Tamura et al. (E930('01), E509, E518 collaborations),  
 $\gamma$ -ray spectroscopy in  $\Lambda$  hypernuclei  
Proc. Int. Conf. on Hypernuclear and Strange Particle Physics (HYP2003), Jefferson Lab., October 14-18, 2003, Nucl.Phys. A754 (2005) 58-69.
- ◇ H. Tamura  
Baryon-baryon interactions with strangeness studied from hypernuclei  
The 22nd International Nuclear Physics Conference (INPC2004), Goetheborg, June 27-July 2, 2004, Nucl.Phys. A752, 155-164 (2005)
- ◇ H. Tamura  
"Gamma Spectroscopy of Hypernuclei"  
5th Italy-Japan Symposium on Recent Achievements and Perspectives in Nuclear Physics, Naples, November 3-7, 2004.
- \* H. Tamura  
Future Plans of  $\gamma$  Spectroscopy --Spectroscopy of  $^{11}_{\Lambda}\text{B}$  and B(M1) Measurement,  
Workshop on Recent Progress of Strangeness Nuclear Physics, KEK, March 15-17, 2002, KEK Proceedings 2002-29 (2003) p.46-57 (in Japanese).
- \* Y. Miura et al.  
 $\gamma$  Spectroscopy of  $^{11}_{\Lambda}\text{B}$   
Workshop on Prospect of Strangeness Nuclear Physics at J-PARC, KEK, July 29-31, 2003, KEK Proceedings 2003-18 (2004) p.51-57 (in Japanese).

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  - \* Internal Report and others.