

List of Publication (論文リスト) (2006.1~2006.12)

Papers Published in Refereed Journals

Photoproduction of η -mesons off C and Cu Nuclei for Photon Energies below 1.1 GeV.

T. Kinoshita, H. Yamazaki, H. Fukasawa, K. Hirota, I. T. Ishikawa, J. Kasagi, A. Kato, T. Katsuyama, K. Kino, Miyahara, T. Nakabayashi, K. Nawa, K. Okamura, Y. Saitoh, K. Satou, M. Sengoku, H. Shimizu, K. Suzuki, S. Suzuki, T. Terasawa, H. Kanda, K. Maeda, T. Takahashi, Y. Aruga, T. Fujinoya, A. Iijima, M. Itaya, Y. Ito, T. Iwata, H. Kato, T. Kawamura, T. Michigami, M. Moriya, T. Sasaki, Y. Tajima, S. Takita, T. Noma, M. Yamamoto, H.Y. Yoshida, Y. Yoshida, O. Konno, T. Maruyama and T. Yorita
Phys. Lett. **B639** (2006) 429-435.

Photoproduction of η Mesons off Protons for $E_\gamma \leq 1.15$ GeV.

T. Nakabayashi, H. Fukasawa, R. Hashimoto, T. Ishikawa, T. Iwata, H. Kanda, J. Kasagi, T. Kinoshita, K. Maeda, F. Miyahara, K. Nawa, T. Nomura, Shimizu, T. Shishido, K. Suzuki, Y. Tajima, T. Takahashi, H. Ueno, H. Yamazaki, and H.Y. Yoshida
Phys. Rev. **C74** (2006) 035202 (1-7).

Photo-Production of Neutral Kaons on C-12 in the Threshold Region.

T. Watanabe, P. Bydžovský, K. Dobashi, S. Endo, Y. Fujii, O. Hashimoto, T. Ishikawa, K. Itoh, H. Kanda, M. Katoh, T. Kinoshita, O. Konno, K. Maeda, A. Matsumura, F. Miyahara, H. Miyase, T. Miyoshi, K. Mizunuma, Y. Miura, S.N. Nakamura, H. Nomura, Y. Okayasu, T. Osaka, M. Oyamada, A. Sasaki, T. Satoh, H. Shimizu, M. Sotona, T. Takahashi, T. Tamae, H. Tamura, T. Terasawa, H. Tsubota, K. Tsukada, M. Ukai, M. Wakamatsu, H. Yamauchi and H. Yamazaki
Physics Letters **B651** (2007) 269-274.

Measurement of E2-E0 Strength in the Isovector Giant Resonance (GQR-GMR) Region of ^{28}Si Nuclei through the (e, e'n) Reaction.

K. Kino, T. Saito, T. Nakagawa, T. Tamae, I. Nishikawa, Y. Asano, H. Toda, M. Watabe, T. Nakagawa, H. Tsubota, K. Takahashi, M. Utoyama, M. Higuchi, Y. Matsuura, H. Ueno, and T. Suzuki
Phys. Rev. **C73** (2006) 034614 (1-6).

Isovector Quadrupole Resonance in $^{13}\text{C}(\gamma, n)$ Reaction.

K. Maeda, S. Ito, H. Itoh, O. Konno, H. Matsuyama, T. Murakami, T. Sasaki, T. Suda, M. Takeya, and T. Terasawa
J. Phys. Soc. Japan **75** (2006) 034201 (1-8).

200-MeV Bremsstrahlung Tagged Photon Beams at Sendai.

K. Hirose, M. Chiba, M. Inoue, H. Kanda, R. Kimura, K. Kino, Y. Kobayashi, O. Konno, K. Maeda, H. Miyase, A. Miyamoto, T. Otsuki, A. Saito, T. Suda, K. Takahashi, T. Tamae, Y. Terasaki, T. Terasawa, H. Tsubota, T. Tsuruta, M. Utoyama, H. Yuuki, Y. Yamaguchi,

and H. Yamazaki

Nucl. Instrum. and Meth. **A564** (2006) 100-107.

Differential Cross Section and Photon-Beam Asymmetry for the $\vec{\gamma} n \rightarrow K^+ \Sigma$ Reaction at $E_\gamma = 1.5 - 2.4$ GeV.

H. Kohri, D.S. Ahn, J.K. Ahn, H. Akimune, Y. Asano, W.C. Chang, S. Date', H. Ejiri, S. Fukui, H. Fujimura, M. Fujiwara, S. Hasegawa, K. Hicks, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, H. Kawai, Z.Y. Kim, K. Kino, N. Kumagai, S. Makino, T. Mart, T. Matsuda, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, H. Ohkuma, T. Ooba, D.S. Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P.M. Shagin, Y. Shiino, A. Shimizu, H. Shimizu, Y. Sugaya, M. Sumihama, Y. Toi, H. Toyokawa, A. Wakai, C.W. Wang, S.C. Wang, K. Yonehara, T. Yorita, M. Yoshimura, M. Yosoi, and R.G.T. Zegers
Phys. Rev. Lett. **97** (2006) 082003 (1-5).

The $\vec{\gamma} p \rightarrow K^+ \Lambda$ and $\vec{\gamma} p \rightarrow K^+ \Sigma^0$ Reactions at Forward Angles with Photon Energies from 1.5 to 2.4 GeV.

M. Sumihama, J.K. Ahn, H. Akimune, Y. Asano, C. Bennhold, W.C. Chang, T. Corthals, S. Date, H. Ejiri, H. Fujimura, M. Fujiwara, M. Guidal, K. Hicks, T. Hotta, K. Imai, T. Ishikawa, T. Iwata, H. Kawai, Z.Y. Kim, K. Kino, H. Kohri, N. Kumagai, S. Makino, T. Mart, T. Matsumura, N. Matsuoka, T. Mibe, M. Miyabe, Y. Miyachi, M. Morita, N. Muramatsu, T. Nakano, M. Niiyama, M. Nomachi, Y. Ohashi, T. Ooba, H. Ohkuma, D.S. Oshuev, C. Rangacharyulu, A. Sakaguchi, T. Sasaki, P.M. Shagin, Y. Shiino, H. Shimizu, Y. Sugaya, H. Toyokawa, A. Wakai, C.W. Wang, S.C. Wang, K. Yonehara, T. Yorita, M. Yosoi, and R.G.T. Zegers
Phys. Rev. **C 73** (2006) 035214 (1-12).

Measurements of the Generalized Electric and Magnetic Polarizabilities of the Proton at Low Q^2 Using the Virtual-Compton-Scattering Reaction.

P. Bourgeois, Y. Sato, J. Shaw, R. Alarcon, A. M. Bernstein, W. Bertozzi, T. Botto, J. Calarco, F. Casagrande, M. O. Distler, K. Dow, M. Farkondeh, S. Georgakopoulos, S. Gilad, R. Hicks, M. Holtrop, A. Hotta, X. Jiang, A. Karabarounis, J. Kirkpatrick, S. Kowalski, R. Milner, R. Miskimen, I. Nakagawa, C. N. Papanicolas, A. J. Sarty, S. Sirca, E. Six, N. F. Sparveris, S. Stave, E. Stiliaris, T. Tamae, G. Tsentalovich, C. Tschalaer, W. Turchinets, Z.-L. Zhou, and T. Zwart
Phys. Rev. Lett. **97** (2006) 212001 (1-4).

Measurement of Evaporation Residue Cross-Section of the Reaction $^{30}\text{Si} + ^{238}\text{U}$ at Subbarrier Energies.

K. Nishio, S. Hofmann, F.P. Hessberger, D. Achermann, S. Antalic, V.F. Comas, Z. Gan, S. Heinz, J.A. Heredia, H. Ikezoe, J. Khuyagbaatar, B. Kindler, I. Kojouharov, P. Kuusiniemi, B. Lommel, R. Mann, M. Mazzocco, S. Mitsuoka, T. Ohtsuki, A.G. Popeko, S. Saro, H.J. Schott, B. Sulignano, A. Svirikhin, K. Tsuruta, and A.V. Yeremin
European Physical Journal **A 29** (2006) 281-287.

Status of the Electron Accelerator for Radioanalytical Studies at Tohoku University.

T. Ohtsuki, H. Yuki, K. Hirose, and T. Mitsugashira

Czech Journal of Physics **56** (2006) D391-398.

Radiochemical Studies at the Cyclotron Laboratory Tohoku University.

T.Ohtsuki, K. Shikano, H. Yuki, K. Hirose, and K. Takamiya

Czech Journal of Physics **56** (2006) D425-432.

Conceptual Design of an Isochronous Ring to Generate Coherent Terahertz Synchrotron Radiation.

H. Hama, H. Tanaka, N. Kumagai, M. Kawai, F. Hinode, T. Muto, K. Nanbu, T. Tanaka,

K. Kasamsook, K. Akiyama, and M. Yasuda

New J. Phys. **8** (2006) 292.

Papers Published in International Conference Proceedings

Low-Energy Li+D Reactions with Li Target in Various Phases.

H. Yonemura, J. Kasagi, M. Honmo, Y. Ishikawa, T. Wang and Y. Zhang

Proceedings of International Conference on Reaction Mechanism and Nuclear Structure at the Coulomb Barrier, AIP Conference Proceedings **853** (2006) 372-377.

Super Coherent THz Light Source Based on an Isochronous Ring with Very Short Electron Bunches.

H. Hama, K. Akiyama, F. Hinode, K. Kasamsook, M. Kawai, T. Muto, K. Nanbu, T. Tanaka, M. Yasuda, and H. Tanaka

Proceedings of the 28th International Free Electron Laser Conference, FEL2006, Berlin, Germany (2006) 371-374.

A Compact Low Emittance DC Gun Employing Single Crystal Cathode of LaB6.

K. Kasamsook, K. Akiyama, H. Hama, F. Hinode, M. Kawai, T. Muto, K. Nanbu, T. Tanaka, and M. Yasuda

Proceedings of the 28th International Free Electron Laser Conference, FEL2006, Berlin, Germany (2006) 680-683.