

List of Publication (論文リスト) (2004.1~2004.12)

Papers Published in Refereed Journals

Strongly Enhanced Li + D Reaction in Pd Observed for Deuteron Bombardment on PdLix with Energies between 30 and 75 keV.

J. Kasagi, Y. Yuki, T. Baba, A. Taguchi, M. Shimokawa, and W. Galster

J. Phys. Soc. Jpn. **73** (2004) 608-612.

Low energy nuclear reactions in metals.

J. Kasagi

Prog. Theor. Phys. Supp. **154** (2004) 365-372.

Nuclear Structure of the Spin-Isospin Excited States in ^{13}N Studied via the (^3He , t) and (^3He , tp) Reactions at 450 MeV.

H. Fujimura, H. Akimune, I. Daito, M. Fujiwara, K. Hara, K.Y. Hara, M.N. Harakeh, F. Ihara, T. Inomata, K. Ishibashi, T. Ishikawa, T. Kawabata, A. Tamii, M. Tanaka, H. Toyokawa, T. Yamanaka, and M. Yosoi

Phys. Rev. **C69** (2004) 064327(1-11).

Isovector and Isoscalar Spin-flip M1 Strengths in ^{11}B .

T. Kawabata, H. Akimune, H. Fujimura, H. Fujita, Y. Fujita, M. Fujiwara, K. Hara, K.Y. Hara, K. Hatanaka, T. Ishikawa, M. Itoh, J. Kamiya, S. Kishi, M. Nakamura, T. Noro, H. Sakaguchi, Y. Shimbara, H. Takeda, A. Tamii, S. Terashima, H. Toyokawa, M. Uchida, H. Ueno, T. Wakasa, Y. Yasuda, H.P. Yoshida, and M. Yosoi

Phys. Rev. **C70** (2004) 034318(1-10).

The Effect of Deformation in the Isoscalar Giant Dipole Resonance.

M. Itoh, H. Sakaguchi, M. Uchida, T. Ishikawa, T. Kawabata, T. Murakami, H. Takeda, T. Taki, S. Terashima, N. Tsukahara, Y. Yasuda, M. Yosoi, U. Garg, M. Hedden, B. Kharraja, M. Koss, B.K. Nayak, S. Zhu, H. Fujimura, M. Fujiwara, K. Hara, H.P. Yoshida, H. Akimune, M.N. Harakeh, and M. Volkerts

Nucl. Phys. **A731** (2004) 41-48.

Excitation and Decay of the Isovector Spin-flip Giant Monopole Resonance via the ^{208}Pb (^3He , tp) Reaction at 410 MeV.

R.G.T. Zegers, H. Abend, H. Akimune, A.M. van den Berg, H. Fujimura, H. Fujita, Y. Fujita, M. Fujiwara, S. Gales, K. Hara, M.N. Harakeh, T. Ishikawa, T. Kawabata, K. Kawase, T. Mibe, K. Nakanishi, S. Nakayama, H. Toyokawa, M. Uchida, T. Yamagata, K. Yamasaki, and M. Yosoi

Nucl. Phys. **A731** (2004) 121-128.

Cluster Fragmentations of Deep (1s)-hole States in Light nuclei.

M. Yosoi, H. Akimune, I. Daito, H. Ejiri, H. Fujimura, M. Fujiwara, K. Fushimi, K. Hara, K.Y. Hara, H. Hashimoto, T. Ishikawa, M. Itoh, Y. Itow, S. Kishi, T. Kawabata, K. Kawase,

M. Kinoshita, K. Kobayashi, M. Nakamura, K. Nakanishi, Y. Nakatsugawa, S. Nakayama, T. Noro, E. Obayashi, S. Okumura, H. Sakaguchi, Y. Sakemi, M. Shiozawa, H. Takeda, T. Taki, A. Tamii, M. Tanaka, S. Terashima, H. Toyokawa, N. Tsukahara, M. Uchida, T. Yamada, T. Yamagata, Y. Yasuda, H.P. Yoshida, R.G.T. Zegers, and J. Zenihiro
 Nucl. Phys. **A738** (2004) 451-454.

Half-life of ${}^7\text{Be}$ in Beryllium Metal.

T. Ohtsuki, H. Yuki, J. Kasagi, and M. Muto
 Prog. Theor. Phys. Supp. **154** (2004) 392-396.

Enhanced Electron-Capture Rate of ${}^7\text{Be}$ Encapsulated in **C60** Cages.

T. Ohtsuki, H. Yuki, M. Muto, J. Kasagi, and K. Ohno
 Phys. Rev. Lett. **93** (2004) 112501 (1-4).

Technetium (IV) Oxide Colloids Produced by Radiolytic Reactions in Aqueous Pertechnetate Solution.

T. Sekine, H. Narushima, T. Suzuki, T. Takayama, H. Kudo, M. Lin, and Y. Katsumura
 Colloids and Surfaces A: Physicochem. Eng. Aspects, **249** (2004) 105-109.

A Prebunched FEL Using Coherent Transition Radiation in the Millimeter Wave Region.

Y. Shibata, K. Ishi, T. Takahashi, T. Matsuyama, F. Hinode, and Y. Kondo
 Nucl. Instrum. and Meth. Phys. Res. **A528** (2004) 162-166.

Observation of Millimeter-Wave Radiation Generated by the Interaction between an Electron Beam and a Photonic Crystal.

K. Yamamoto, R. Sakakibara, S. Yano, Y. Segawa, Y. Shibata, K. Ishi, T. Ohsaka, T. Hara, Y. Kondo, H. Miyazaki, F. Hinode, T. Matsuyama, S. Yamaguti, and K. Ohtaka
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Photoproduction of η Mesons on Nuclei at LNS.

H. Yamazaki, T. Kinoshita, A. Katoh, T. Katsuyama, K. Kino, T. Nakabayashi, H. Shimizu, T. Terasawa, J. Kasagi, H. Kanda, K. Maeda, T. Takahashi, Y. Aruga, T. Fujinoya, A. Iijima, Y. Ito, T. Noma, Y. Tajima, H.Y. Yoshida, K. Hirota, T. Yorita, and O. Konno
 Proceedings of the International Symposium "Electro-photoproduction of Strangeness on Nucleons and Nuclei", Edited by K. Maeda *et al.*, World Scientific, (2004) 191--197.

Photoproduction of Neutral Kaons at LNS.

T. Takahashi, K. Dobashi, Y. Fujii, O. Hashimoto, K. Itoh, H. Kanda, M. Katoh, K. Maeda, A. Matsumura, H. Miyase, T. Miyoshi, K. Mizunuma, Y. Miura, S.N. Nakamura, H. Nomura, Y. Okayasu, T. Osaka, M. Oyamada, H. Tamura, H. Tsubota, K. Tsukada, M. Ukai, H. Yamauchi, M. Wakamatsu, T. Watanabe, T. Ishikawa, T. Kinoshita, F. Miyahara, H. Shimizu, T. Tamae, H. Terasawa, and H. Yamazaki
 Proceedings of the International Symposium "Electro-photoproduction of Strangeness on Nucleons and Nuclei", Edited by K. Maeda *et al.*, World Scientific, (2004) 198--207.

Review

Giant Resonances in Light Nuclei via the $(e,e' n)$ Reaction.

T. Saito

Recent Res. Devel. Physics **5** (2004) 1057-1079.