

## List of papers

- [1] Y. Maeda, T. Kawabata, K. Suda, H. Sakai, K. Fujita, K. Hatanaka, H. Okamura, Y. Sakemi, Y. Shimizu, Y. Tameshige, A. Tamii, M.B. Greenfield, M. Hatano, H. Kuboki, T. Saito, M. Sasano, K. Yako, J. Kamiya, J. Rapaport, K. Sekiguchi, T. Wakasa, M. Österlund, A. Hildebrand, P. Mermod, J. Blomgren, H. Witala, J. Golak, R. Skibiński, A. Deltuva, A.C. Fonseca, P.U. Sauer, W. Glöckle, H. Kamada, and A. Nogga, *Differential cross section and analyzing power measurements for  $\bar{n}d$  elastic scattering at 248 MeV*, Phys. Rev. C **76** (2007), 014004.
- [2] H. Sakai, T. Saito, T. Ikeda, K. Itoh, T. Kawabata, H. Kuboki, Y. Maeda, N. Matsui, C. Ranganacharyulu, M. Sasano, Y. Satou, K. Sekiguchi, K. Suda, A. Tamii, T. Uesaka, and K. Yako, *Spin correlations of strongly interacting massive fermion pairs as a test of bell's inequality*, Phys. Rev. Lett. **97** (2006), 150405.
- [3] H. Kuboki, A. Tamii, K. Fujita, K. Hatanaka, M. Hatano, J. Kamiya, T. Kudoh, Y. Maeda, K. Sagara, T. Saito, H. Sakai, Y. Sakemi, M. Sasano, K. Sekiguchi, Y. Shimizu, S. Shimomoto, M. Shiota, Y. Tameshige, T. Uesaka, T. Wakasa, and K. Yako, *Search for supernarrow dibaryons via the  $pd \rightarrow ppX$  and  $pd \rightarrow pdX$  reactions*, Phys. Rev. C **74** (2006), 035203.
- [4] K. Yako, H. Sakai, M. B. Greenfield, K. Hatanaka, M. Hatano, J. Kamiya, H. Kato, Y. Kitamura, Y. Maeda, C. L. Morris, H. Okamura, J. Rapaport, T. Saito, Y. Sakemi, K. Sekiguchi, Y. Shimizu, K. Suda, A. Tamii, N. Uchigashima, and T. Wakasa, *Determination of the Gamow-Teller quenching factor from charge exchange reactions on  $^{90}\text{Zr}$* , Phys. Lett. B **615** (2006), 193–199.
- [5] K. Sekiguchi, H. Sakai, H. Witala, W. Glöckle, J. Golak, K. Hatanaka, M. Hatano, K. Itoh, H. Kamada, H. Kuboki, Y. Maeda, A. Nogga, H. Okamura, T. Saito, N. Sakamoto, Y. Sakemi, M. Sasano, Y. Shimizu, K. Suda, A. Tamii, T. Uesaka, T. Wakasa, and K. Yako, *Resolving the discrepancy of 135 MeV  $pd$  elastic scattering cross sections and relativistic effects*, Phys. Rev. Lett. **95** (2006), 162301.
- [6] P. Mermod, J. Blomgren, A. Hildebrand, C. Johansson, J. Klug, M. Österlund, S. Pomp, U. Tippawan, B. Bergenwall, L. Nilsson, N. Olsson, O. Jonsson, A. Prokofiev, P. U. Renberg, P. Nadel-Turonski, Y. Maeda, H. Sakai, and A. Tamii, *Evidence of three-body force effects in neutron-deuteron scattering at 95 MeV*, Phys. Rev. C **72** (2005), 061002(R).
- [7] T. Wakasa, Y. Hagiwata, M. Sasano, S. Asaji, K. Fujita, K. Hatanaka, T. Ishida, T. Kawabata, H. Kuboki, Y. Maeda, T. Noro, T. Saito, H. Sakai, Y. Sakemi, K. Sekiguchi, Y. Shimizu, A. Tamii, Y. Tameshige, and K. Yako, *Performance of the neutron polarimeter NPOL3 for high resolution measurements*, Nucl. Instru. Meth. A **547** (2005), 569–582.
- [8] M. Hatano, H. Sakai, T. Wakui, T. Uesaka, N. Aoi, Y. Ichikawa, T. Ikeda, K. Itoh, H. Iwasaki, T. Kawabata, H. Kuboki, Y. Maeda, N. Matsui, T. Ohnishi, T.K. Onishi, T. Saito, N. Sakamoto, M. Sasano, Y. Satou, K. Sekiguchi, K. Suda, A. Tamii, Y. Yanagisawa, and K. Yako, *First experiment of  $^6\text{He}$  with a polarized proton target*, Eur. Phys. J. A **25** (2005), Supplement 1, 255.
- [9] V. P. Ladygin, T. Uesaka, Takaaki Saito, M. Hatano, A. Yu. Isupov, H. Kato, N.B. Ladygina, Y. Maeda, A.I. Malakhov, J. Nishikawa, T. Ohnishi, H. Okamura, S.G. Reznikov, H. Sakai, N. Sakamoto, S. Sakoda, Y. Satou, K. Sekiguchi, K. Suda, A. Tamii, N. Uchigashima, and

- K. Yako, *Measurement of the tensor analyzing power  $T_{20}$  in the  $dd \rightarrow {}^3\text{He}n$  and  $dd \rightarrow {}^3\text{He}p$  at intermediate energies and at zero degree*, Phys. Lett. B **598** (2004), 47–54.
- [10] K. Sekiguchi, H. Sakai, H. Witała, K. Ermisch, W. Glöckle, J. Golak, M. Hatano, H. Kamada, N. Kalantar-Nayestanaki, H. Kato, Y. Maeda, J. Nishikawa, A. Nogga, T. Ohnishi, H. Okamura, T. Saito, N. Sakamoto, S. Sakoda, Y. Satou, K. Suda, A. Tamii, T. Uchigashima, T. Uesaka, T. Wakasa, and K. Yako, *Polarization transfer measurement for  ${}^1\text{H}(\vec{d}, \vec{p})^2\text{H}$  elastic scattering at 135 MeV/nucleon and three-nucleon force effects*, Phys. Rev. C **70** (2004), 014001.
- [11] P. Mermod, J. Blomgren, B. Bergenwall, A. Hildebrand, C. Johansson, J. Klug, L. Nilsson, N. Olsson, M. Österlund, S. Pomp, U. Tippawan, O. Jonsson, A. Prokofiev, P.-U. Renberg, P. Nadel-Turonski, Y. Maeda, H. Sakai, and A. Tamii, *Search for three-body force effects in neutron-deuteron scattering at 95 MeV*, Phys. Lett. B **597** (2004), 243.
- [12] T. Wakasa, H. Sakai, M. Ichimura, K. Hatanaka, M. B. Greenfield, M. Hatano, J. Kamiya, H. Kato, K. Kawahigashi, Y. Maeda, Y. Nakaoka, H. Okamura, T. Ohnishi, H. Otsu, K. Sekiguchi, K. Suda, A. Tamii, T. Uesaka, T. Yagita, and K. Yako, *Pionie enhancement in quasielastic  $(\vec{p}, \vec{n})$  reactions at 345 MeV*, Phys. Rev. C **69** (2004), 054609.
- [13] T. Wakasa, H. Sakai, M. Ichimura, K. Hatanaka, M. B. Greenfield, M. Hatano, J. Kamiya and7 H. Kato, Y. Maeda, H. Okamura and8 T. Ohnishi, H. Otsu, K. Sekiguchi, K. Suda, A. Tamii, T. Uesaka, T. Yagita, and K. Yako, *Polarization transfer and spin response functions of the  ${}^2\text{H}(\vec{p}, \vec{n})$  reaction at 345 MeV*, Phys. Rev. C **69** (2004), 044602.
- [14] K. Hatanaka, J. Kamiya, Y. Maeda, T. Noro, K. Sagara, H. Sakai, Y. Sakemi, K. Sekiguchi, Y. Shimizu, A. Tamii, T. Wakasa, K. Yako, H.P. Yoshida, and V.P. Ladygin, *pd scattering at 250 MeV and three-nucleon forces*, Euro. Phys. Jour. A **18** (2003), 293 – 296.
- [15] Y. Maeda, H. Sakai, A. Tamii, S. Sakoda, H. Kato, M. Hatano, T. Saito, N. Uchigashima, H. Kuboki, K. Hatanaka, D. Hirooka, Y. Shimizu, Y. Kitamura, K. Fujita, N. Sakamoto, H. Okamura, K. Suda, T. Ikeda, K. Itoh, Y. Sakemi, T. Wakasa, J. Kamiya, K. Yako, K. Sekiguchi, Y. Sato, M.B. Greenfield, J. Rapaport, , and H. Kamada, *Measurement of differential cross sections and vector analyzing powers for the  $\vec{n}d$  reaction at 250 MeV*, Mod. Phys. Lett. A **18** (2003), 298.
- [16] Y. Maeda, H. Sakai, K. Hatanaka, and A. Tamii, *Production of thick and highly uniform  $\text{CD}_2$  targets for  $\vec{n} + d$  measurements*, Nucl. Instrum. Meth. A **490** (2002), 518.
- [17] A. Tamii, K. Hatanaka, M. Hatano, D. Hirooka, J. Kamiya, H. Kato, Y. Maeda, T. Saito, H. Sakai, S. Sakoda, K. Sekiguchi, N. Uchigashima, T. Uesaka, T. Wakasa, and K. Yako, *Search for narrow dibaryon resonances by the  $pd \rightarrow pdX$  and  $pd \rightarrow ppX$  reactions*, Phys. Rev. C **65** (2002), 047001.
- [18] K. Sekiguchi, H. Sakai, H. Witała, W. Glöckle, J. Golak, M. Hatano, H. Kamada, H. Kato, Y. Maeda, J. Nishikawa, A. Nogga, T. Ohnishi, H. Okamura, N. Sakamoto, S. Sakoda, Y. Satou, K. Suda, A. Tamii, T. Uesaka, T. Wakasa, and K. Yako, *Complete set of precise deuteron analyzing powers at intermediate energies: Comparison with modern nuclear force predictions*, Phys. Rev. C **65** (2002), 034003.
- [19] K. Hatanaka, Y. Shimizu, D. Hirooka, J. Kamiya, Y. Kitamura, Y. Maeda, T. Noro, E. Obayashi, K. Sagara, T. Saito, H. Sakai, Y. Sakemi, K. Sekiguchi, A. Tamii, T. Wakasa,

- T. Yagita, K. Yako, H. P. Yoshida, V. P. Ladygin, H. Kamada, W. Glöckle, J. Golak, A. Nogga, and H. Witała, *Cross section and complete set of proton spin observables in  $\bar{p}d$  elastic scattering at 250 MeV*, Phys. Rev. C **66** (2002), 044002.
- [20] K. Hatanaka, J. Kamiya, D. Hirooka, Y. Maeda, Y. Maeda, T. Noro, E. Obayashi, H. Okamura, H. Sakai, A. Tamii, K. Tamura, T. Wakasa, K. Yako, and H. P. Yoshida,  $^{12,13}C(p,\pi)^{13,14}O_{g.s.}$  reactions in the  $\Delta_{1232}$  resonance region, Phys. Rev. C **65** (2002), 014609.
- [21] Y. Satou, S. Ishida, H. Sakai, H. Okamura, N. Sakamotoa, H. Otsu, T. Uesaka, A. Tamii, T. Wakasa, T. Ohnishi, K. Sekiguchi, K. Yako, K. Suda, M. Hatano, H. Kato, Y. Maeda, J. Nishikawa, T. Ichihara, T. Niizeki, H. Kamada, W. Glöckle, and H. Witała, *Three-body  $dN$  interaction in the analysis of the  $^{12}C$  reaction at 270 MeV*, Phys. Lett. B **549** (2002), 307 – 313.
- [22] T. Uesaka, J. Nishikawa, H. Okamura, K. Suda, H. Sakai, A. Tamii, K. Sekiguchi, K. Yako, S. Sakoda, H. Kato, M. Hatano, Y. Maeda, T. Saito, N. Uchigashima, N. Sakamoto, Y. Satou, T. Ohnishi, T. Wakui, T. Wakasa, and K. Itoh,  $^3He(d,p)^4He$  reaction at intermediate energies and impulse picture of the  $(d,p)$  reactions, Phys. Lett. B **533** (2002), 1.
- [23] H. Sakai, K. Sekiguchi, H. Witała, W. Glöckle, M. Hatano, H. Kamada, H. Kato, Y. Maeda, A. Nogga, T. Ohnishi, H. Okamura, N. Sakamoto, S. Sakoda, Y. Satou, K. Suda, A. Tamii, T. Uesaka, T. Wakasa, and K. Yako, *Precise measurement of  $dp$  elastic scattering at 270 MeV and Three-Nucleon Force Effects*, Phys. Rev. Lett. **84** (2000), 5288.