

## List of publications

11 October 2022

### Publications

#### 1999

1. *Wissmann, F., Kuhr, V., Jahn, O., Vorwerk, H., Achenbach, P., Ahrens, J., Arends, H.-J., Beck, R., Camen, M., Caselotti, G., Heid, E., Hejny, V., Jennewein, P., Kondratjev, R., Kossert, K., Kotulla, M., Krusche, B., Lang, M. ; Leukel, R., Levchuk, M.I., Lisin, V., Metag, V., Novotny, R., Olmos de León, V., Polonski, A., Preobrashinskij, I., Rambo, F., Rosenkranz, D., Schilling, E., Schmidt, A., Schumacher, M., Seitz, B., Siodlaczek, U., Ströher, H., Thomas, A., Walcher, Th., Weiss, J., Wolf, M., Zapadtk, F.: Compton scattering from the free and bound proton at backward angles above  $\pi$ -threshold.* Nuclear Physics A 660 (1999) 232-245.

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2. *Wissmann, F., Achenbach, P., Ahrens, J., Arends, H.-J., Beck, R., Bilger, R., Camen, M., Capitani, G.P., Caselotti, G., Galler, G., Grabmayr, P., Härter, F., Hehl, T., Heid, E., Hejny, V., Jahn, O., Jennewein, P., Kondratjev, R., Kossert, K., Kotulla, M., Krusche, B., Kuhr, V., Lang, M., Leukel, R., Levchuk, M.I., Lisin, V., L'vov, A. I., Massone, A.M., Metag, V., Natter, A., Novotny, R., Olmos de León, V., Ottonello, P., Peise, J., Polonski, A., Preobrashinskij, I., Proff, S., Rambo, F., Robbiano, A., Rosenkranz, D., Sanzone, M., Schilling, E., Schmidt, A., Schumacher, M., Seitz, B., Siodlaczek, U., Smend, F., Ströher, H., Vorwerk, H., Walcher, Th., Weiss, J., Wolf, M., Wolf, S., Zapadtk, F.: Compton scattering from the free and bound proton above  $\pi$ -threshold.* PANIC99, Uppsala, June 10-16, 1999. Nuclear Physics A 663 (2000) 397c – 400c.
3. *Ahrens, J., Altieri, S., Annand, J.R.M., Anton, G., Arends, H.-J., Aulenbacher, K., Beck, R., Bradtke, C., Braghieri, A., Degrande, N., d'Hose, N., Dutz, H., Goertz, S., Grabmayr, P., Hansen, K., Harmsen, J., von Harrach, D., Hasegawa, S., Heid, E., Helbing, K., Holvoet, H., van Hoorobeke, L., Horikawa, N., Iwata, T., Jennewein, P., Kageya, T., Kiel, B., Klein, F., Kondratjev, R., Kossert, K., Krimmer, J., Lang, M., Lannoy, B., Leukel, R., Lisin, V., Madsuda, T., McGeorge, J.C., Meier, A., Menze, D., Michel, T., Naumann, J., Owens, R.O., Panzeri, A., Pedroni, P., Pinelli, T., Preobrashinskij, I., Radtke, E., Reichert, E., Reicherz, G., Rohlof, Ch., Ryckbosch, D., Sadiq, F., Sauer, M., Schoch, B., Schumacher, M., Seitz, B., Speckner, T., Steigerwald, M., Takabayashi, N., Tamas, G., Thomas, A., van de Vyver, R., Wakai, A., Weihofen, W., Wissmann, F., Zapadtk, F., Zeitler, G.: Helicity dependence of  $\gamma p \rightarrow N\pi$  below 450 MeV and contribution to the Gerasimov-Drell-Hearn sum rule.* Physical Review Letters 84 (2000) 5950-5954.

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5. *Galler, G., Wolf, S., Camen, M., Kossert, K., Proff, S., Schumacher, M., Wissmann, F., Ahrens, J., Beck, R., H'arter, F., Jennewein, P., Peise, J., Preobrashinskij, I., Schmitz, M., Massone, A.M., Molinari, C., Ottonello, P., Robbiano, A., M. Sanzone, L'vov, A.I., Lisin, v., Kondratiev, R., Grabmayr, P., Hehl, T.*: **Structure of the nucleon investigated by Compton scattering**. NSTAR2001: Workshop on the physics of excited nucleons, Mainz, Germany, March 7-10 (2001) World Scientific.
6. *Ahrens, J., Altieri, S., Annand, J.R.M., Anton, G., Arends, H.-J., Aulenbacher, K., Beck, R., Bradtke, C., Braghieri, A., d'Hose, N., Degrande, N., Dutz, H., Grabmayr, P., Goertz, S., Hansen, K., Harmsen, J., Hasegawa, S., Hasegawa, T., Heid, E., Helbing, K., Hori-kawa, N., Iwata, T., Jennewein, P., Kageya, T., Kiel, B., Klein, F., Kondratjev, R., Kossert, K., Krimmer, J., Lang, M., Lannoy, B., Leukel, R., Lisin, V., Madsuda, T., McGeorge, J.C., Menze, D., A. Meier, A., Meyer, W., Michel, T., Naumann, J., Owens, R.O., Panzeri, A., Pedroni, P., Pinelli, T., Preobrashinskij, I., Radtke, E., Reichert, E., Reicherz, G., Rohlof, Ch., Ryckbosch, D., Sadiq, F., Sauer, M., Schoch, B., Schumacher, M., Seitz, B., Speck-ner, T., Steigerwald, M., Takabayashi, N., Tamas, G., Thomas, A., van de Vyver, R., van Hoorebeke, L., von Harrach, D., Wakai, A., Weihofen, W., Wissmann, F., Zapadtko, F., Zeitler, G.*: **First measurement of the Gerasimov-Drell-Hearn integral for  $^1\text{H}$  from 200 to 800 MeV**. Physical Review Letters 87 (2001) 022003, 1-5.
7. *Camen, M., Kossert, K., Schumacher, M., Wissmann, F.*: **Polarizabilities of proton and neutron investigated by Compton scattering from the proton and light nuclei**. 8<sup>th</sup> Meeting on Mesons and Light Nuclei, Prague, Czech Republic, 2-6 July 2001, AIP Conference Proceedings 603 (2001) 377-380.
8. *Wolf, S., V. Lisin, V., Kondratiev, R., Massone, A.M., Ahrens, J., Arends, H.-J., R. Beck, R., Camen, M., Capitani, G.P., Grabmayr, P., Hall, S.J., Härter, F., Hehl, T., Jennewein, P., Kossert, K., L'vov, A.I., Molinari, C., Ottonello, P., Preise, J., Preobrajenskij, I., Proff, S., Robbiano, A., Sanzone, M., Schumacher, M., Seitz, B., Schmitz, M., F. Wissmann, F.*: **Structure of the nucleon investigated by Compton scattering**. Nuclear Physics A690 (2001) 310c-313c.
9. *Wolf, S., V. Lisin, V., Kondratiev, R., Massone, A.M., Galler, G., Ahrens, J., Arends, H.-J., R. Beck, R., Camen, M., Capitani, G.P., Grabmayr, P., Hall, S.J., Härter, F., Hehl, T., Jennewein, P., Kossert, K., L'vov, A.I., Molinari, C., Ottonello, P., Owens, R.O., Preise, J., Preobrajenskij, I., Proff, S., Robbiano, A., Sanzone, M., Schumacher, M., Seitz, B., Schmitz, M., Wissmann, F.*: **Compton scattering by the proton using a large- acceptance arrangement**. European Physical Journal A12 (2001) 231-252.
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## 2002

11. *Camen, M., Kossert, K., Wissmann, F., Ahrens, J., Arends, H.-J., Beck, R., Caselotti, G., Grabmayr, P., Harty, P.D., Jahn, O., Jennewein, P., Kondratiev, R., Levchuk, M.I., Lisin, V., L'vov, A. I., McGeorge, J.C., Natter, A., Olmos de León, V., Schumacher, M., Seitz, B., Smend, F., Thomas, A., Weihofen, W., Zapadtko, F.*: **Backward spin polarizability  $\gamma_\pi$  of the proton**. Physical Review C 65 (2002) 032202, 1-5.
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16. Kossert, K.: **Messung sehr langer Halbwertszeiten mit LSC-Detektoren.** PTB-Bericht-DOS-43 (2003), NW-Verlag Bremerhaven, ISBN 3-89701-959-0, 72-76.
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29. *Ratel, G., Michotte, C., Janßen H., Kossert, K., Lucas, L., Karam L.: Activity measurements of the radionuclide  $^{109}\text{Cd}$  for the PTB, Germany and the NIST, USA in the ongoing comparison BIPM.RI(II)-K1.Cd-109.* *Metrologia* (2005) 42, Tech. Suppl., 06011, 12 pages.
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37. *Kossert, K., Janßen, H., Klein, R., Schneider, M., Schrader, H.:* **Standardization and Nuclear Decay Data of  $^{109}\text{Cd}$ .** *Applied Radiation and Isotopes* 64 (2006) 1031-1035.
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41. *Kossert, K.:* **A new method for secondary standard measurements with the aid of liquid scintillation counting.** *Applied Radiation and Isotopes* 64 (2006) 1459-1464.

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