

**List of articles  
published by scientists of Meson Physics Laboratory  
в 2007 г.**

1. Photoproduction of  $\pi^0$  mesons off protons from the  $\Delta(1232)$  region to  $E_\gamma = 3$  GeV.  
H. vanPee, O. Bartholomy, V. Credé, A.V. Anisovich, G. Anton, R. Bantes, Yu. Beloglazov, R. Bogendörfer, R. Castelijns, A. Ehmanns, J. Ernst, I. Fabry, H. Flemming, A. Fösel, M. Fuchs, Ch. Funke, R. Gothe, A. Gridnev, E. Gutz, S.K. Höffgen, I. Horn, J. Hößl, J. Junkersfeld, H. Kalinowsky, F. Klein, E. Klempt, H. Koch, M. Konrad, B. Kopf, B. Krusche, J. Langheinrich, H. Löhner, I. Lopatin, J. Lotz, H. Matthäy, D. Menze, J. Messchendorp, V.A. Nikonov, D. Novinski, M. Ostrick, A. Radkov, A.V. Sarantsev, S. Schadmand, Ch. Schmidt, H. Schmieden, B. Schoch, G. Suft, V. Sumachev, T. Szczepanek, U. Thoma, D. Walther and Ch. Weinheimer (the CB-ELSA Collaboration).  
Eur. Phys. J. A **31**, 61 (2007).  
<http://www.springerlink.com/content/1434-601X/>
2. Photoproduction of  $\pi^0\omega$  off protons for  $E_\gamma \leq 3$  GeV.  
J. Junkersfeld, A.V. Anisovich, G. Anton, R. Bantes, O. Bartholomy, R. Beck, Yu. Beloglazov, R. Bogendörfer, R. Castelijns, V. Credé, A. Ehmanns, J. Ernst, I. Fabry, H. Flemming, A. Fösel, M. Fuchs, Ch. Funke, R. Gothe, A. Gridnev, E. Gutz, S.K. Höffgen, I. Horn, J. Hößl, H. Kalinowsky, F. Klein, E. Klempt, H. Koch, M. Konrad, B. Kopf, B. Krusche, J. Langheinrich, H. Löhner, I. Lopatin, J. Lotz, H. Matthäy, D. Menze, J. Messchendorp, V.A. Nikonov, D. Novinski, M. Ostrick, H. van Pee, A. Radkov, A.V. Sarantsev, S. Schadmand, Ch. Schmidt, H. Schmieden, B. Schoch, G. Suft, V. Sumachev, T. Szczepanek, U. Thoma, D. Walther and Ch. Weinheimer (the CB-ELSA Collaboration).  
Eur. Phys. J. A **31**, 365 (2007).  
<http://www.springerlink.com/content/1434-601X/>
3. The Goldberger-Miyazawa-Oehme sum rule revisited.  
V.V. Abaev, P. Metsä and M.E. Sainio.  
Eur. Phys. J. A **32**, 321 (2007).  
<http://www.springerlink.com/content/1434-601X/>
4. Mesons in the nuclear medium.  
M. Kotulla for the CBELSA/TAPS Collaboration.  
Proceedings of the 9<sup>th</sup> Conference on the Intersections of Particle and Nuclear Physics CIPANP'2006 (Westin Rio Mar Beach, Puerto Rico, 30 May – 3 June 2006), AIP Conference Proceedings **870**, 506 (2007).  
[http://proceedings.aip.org/proceedings/nuclear\\_hep](http://proceedings.aip.org/proceedings/nuclear_hep)
5. The experimental investigation of the missing  $N^*$ - and  $\Delta$ -resonances problem: current status and perspectives.  
V.V. Sumachev, V.S. Bekrenev, Yu.A. Beloglazov, E.A. Filimonov, A.I. Kovalev, N.G. Kozlenko, S.P. Kruglov, A.A. Kulbardis, I.V. Lopatin, D.V. Novinsky, V.A. Shchedrov, V.Yu. Trautman, I.G. Alekseev, P.E. Budkovsky, V.P. Kanavets, L.I. Koroleva, B.V. Morozov, V.N. Nesterov, V.V. Ryltsov, A.D. Sulimov, D.N. Svirida.  
Proceedings of the 33<sup>th</sup> International Conference on High Energy Physics ICHEP'06 (Moscow, Russia, 26 July – 2 August 2006), World Scientific Publishing Co., vol. 1, (2007).  
<http://www.worldscibooks.com/physics/>
6. Asymmetry measurements in the elastic pion-proton scattering at 1.94 and 2.07 GeV/c.  
I.G. Alekseev, N.A. Bazhanov, Yu.A. Beloglazov, P.E. Budkovsky, E.I. Bunyatova, E.A. Filimonov, V.P. Kanavets, L.I. Koroleva, A.I. Kovalev, S.P. Kruglov, B.V. Morozov, V.N. Nesterov, D.V. Novinsky, V.V. Ryltsov, V.A. Shchedrov, V.V. Sumachev, D.N. Svirida, A.D. Sulimov, V.Yu. Trautman, V.V. Zhurkin, L.S. Zolin.  
Proceedings of the 17<sup>th</sup> International Spin Physics Symposium (Kyoto, Japan, 2 – 7 October 2006), AIP Conference Proceedings **915**, 665 (2007).  
<http://proceedings.aip.org>

7.  $\Lambda$ -polarization measurements in  $\pi^- p \rightarrow K^0 \Lambda$  in the framework of “EPECUR” experiment proposal. I.G. Alekseev, P.E. Budkovsky, E.A. Filimonov, V.V. Golubev, V.P. Kanavets, M.M. Kats, L.I. Koroleva, A.I. Kovalev, N.G. Kozlenko, A.G. Krivshich, V.V. Kulikov, B.V. Morozov, V.N. Nesterov, D.V. Novinsky, V.V. Ryltsov, M.E. Sadler, D. Soboyede, V.V. Sumachev, D.N. Svirida, A.D. Sulimov, V.Yu. Trautman, E. Walker, S. Watson. Proceedings of the 17<sup>th</sup> International Spin Physics Symposium (Kyoto, Japan, 2 – 7 October 2006), AIP Conference Proceedings **915**, 708 (2007). <http://proceedings.aip.org>
8. Cost effective electronics for proportional and drift chambers of “EPECUR” experiment. I.G. Alekseev, P.E. Budkovsky, E.A. Filimonov, V.V. Golubev, V.P. Kanavets, M.M. Kats, L.I. Koroleva, A.I. Kovalev, N.G. Kozlenko, V.S. Kozlov, A.G. Krivshich, V.V. Kulikov, B.V. Morozov, V.N. Nesterov, D.V. Novinsky, V.V. Ryltsov, M.E. Sadler, V.A. Sakharov, D. Soboyede, V.V. Sumachev, D.N. Svirida, A.D. Sulimov, V.Yu. Trautman, E. Walker, S. Watson. Nucl. Instr. Meth. A **578**, 289 (2007). <http://www.sciencedirect.com/science/journal/01689002>
9.  $\eta$ -physics with the detector Crystal Ball. A.B. Starostin. Yad. Fiz. **70**, 1242 (2007) [Phys. Atom. Nucl. **70**, 1203 (2007)]. <http://www.maik.ru>
10. Photoproduction of  $\eta$  mesons off protons. O. Bartholomy, R. Bogendörfer, V. Crede, I. Fabry, A.V. Anisovich, G. Anton, R. Bantes, Yu.A. Beloglazov, R. Castelijns, A. Ehmanns, J. Ernst, I. Fabry, H. Flemming, A. Fösel, M. Fuchs, Ch. Funke, R. Gothe, A.B. Gridnev, E. Gutz, S.K. Höffgen, I. Horn, J. Höbl, J. Junkersfeld, H. Kalinowsky, F. Klein, E. Klempt, H. Koch, M. Konrad, B. Kopf, B. Krusche, J. Langheinrich, H. Löhner, I.V. Lopatin, J. Lotz, H. Matthäy, D. Menze, J. Messchendorp, V.A. Nikonov, D.V. Novinski, M. Ostrick, H. van Pee, A.K. Radkov, A.V. Sarantsev, S. Schadmand, Ch. Schmidt, H. Schmieden, B. Schoch, G. Suft, V.V. Sumachev, T. Szczepanek, U. Thoma, D. Walther, and Ch. Weinheimer (the CB-ELSA Collaboration). Eur. Phys. J. A **33**, 133 (2007). <http://www.springerlink.com/content/1434-601X/>
11. Measurement of the beam asymmetry in  $\eta$ -photoproduction off the proton. D. Elsner, A.V. Anisovich, G. Anton, J.C.S. Bacelar, R. Bantes, O. Bartholomy, D. Bayadilov, Yu.A. Beloglazov, R. Bogendörfer, R. Castelijns, V. Crede, H. Dutz, A. Ehmanns, K. Essig, R. Ewald, I. Fabry, H. Flemming, K. Fornet-Ponse, M. Fuchs, Ch. Funke, R. Gothe, R. Gregor, A.B. Gridnev, E. Gutz, S.K. Höffgen, P. Hoffmeister, I. Horn, J. Höbl, J. Junkersfeld, H. Kalinowsky, S. Kanner, V. Kleber, Frank Klein, Friedrich Klein, E. Klempt, H. Koch, M. Konrad, B. Kopf, N. Kotulla, B. Krusche, M. Lang, J. Langheinrich, H. Löhner, I.V. Lopatin, J. Lotz, S. Lugert, H. Matthäy, D. Menze, T. Martens, J. Messchendorp, V. Metag, M. Nanova, V.A. Nikonov, D.V. Novinski, D. Novotny, M. Ostrick, L.M. Pant, H. van Pee, M. Pfeiffer, A.K. Radkov, A.V. Sarantsev, S. Schadmand, Ch. Schmidt, H. Schmieden, B. Schoch, S. Shende, G. Suft, A. Süle, V.V. Sumachev, T. Szczepanek, U. Thoma, D. Trnka, D. Walther, Ch. Weinheimer, and C. Wendel (the CBELSA/TAPS Collaboration). Eur. Phys. J. A **33**, 147 (2007). <http://www.springerlink.com/content/1434-601X/>
12. Nucleon resonance decay by the  $K^0 \Sigma^+$  channel. R. Castelijns, A.V. Anisovich, G. Anton, J.C.S. Bacelar, R. Bantes, O. Bartholomy, D. Bayadilov, Yu.A. Beloglazov, R. Bogendörfer, V. Crede, H. Dutz, A. Ehmanns, D. Elsner, K. Essig, R. Ewald, I. Fabry, H. Flemming, K. Fornet-Ponse, M. Fuchs, C. Funke, R. Gothe, R. Gregor, A.B. Gridnev, E. Gutz, S.K. Höffgen, P. Hoffmeister, I. Horn, J. Höbl, J. Junkersfeld, H. Kalinowsky, S. Kammer, Frank Klein, Friedrich Klein, E. Klempt, H. Koch, M. Konrad, B. Kopf, N. Kotulla, B. Krusche, J. Langheinrich, H. Löhner, I.V. Lopatin, J. Lotz, S. Lugert, H. Matthäy, D. Menze, T. Martens, J. Messchendorp, V. Metag, C. Morales, M. Nanova, V.A. Nikonov, D.V. Novinski, D. Novotny, M. Ostrick, L.M. Pant, H. van Pee, M. Pfeiffer,

A.K. Radkov, A.V. Sarantsev, S. Schadmand, Ch. Schmidt, H. Schmieden, B. Schoch, S. Shende, A. Süle, G. Suft, V.V. Sumachev, T. Szczepanek, U. Thoma, D. Trnka, R. Varma, D. Walther, C. Weinheimer, and C. Wendel (the CBELSA/TAPS Collaboration).

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<http://www.springerlink.com/content/1434-601X/>

13. Study of the  $\eta$ -production reaction  $\pi^- p \rightarrow \eta n$ : description of the experiment and comparison of results obtained using methods of data processing.

D.E. Bayadilov, Yu.A. Beloglazov, A.B. Gridnev, N.G. Kozlenko, S.P. Kruglov,

A.A. Kulbardis, I.V. Lopatin, D.V. Novinsky, A.K. Radkov, V.V. Sumachev, E.A. Filimonov.

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