

Articles in Master Journals Covered in Thomson Scientific Journal Citation Reports (JCR)

Internal Project Number 101

1. DELPHI Collab., J. Abdallah, (P. Brückman, K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP,
Astropart. Phys., **28** (2007) 273; stro-ph/07062561;
2. DELPHI Collab., J. Abdallah, (P. Brückman, K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Investigation of colour reconnection in WW events with the DELPHI detector at LEP-2,
Eur. Phys. J. C, **51** (2007) 249; hep-ex/07040597;
3. DELPHI Collab., J. Abdallah, (P. Brückman, K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Z γ production in e^+e^- interactions at $\sqrt{s} = 183\text{-}209$ GeV,
Eur. Phys. J. C, **51** (2007) 503; hep-ex/07062565;
4. DELPHI Collab., J. Abdallah, (P. Brückman, K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Study of triple-gauge-boson couplings ZZZ, ZZ γ and Z $\gamma\gamma$ at LEP,
Eur. Phys. J. C, **51** (2007) 525; hep-ex/07062741;
5. DELPHI Collab., J. Abdallah, (P. Brückman, K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Search for pentaquarks in the hadronic decays of the Z boson with the DELPHI detector at LEP,
Phys. Lett. B, **653** (2007) 151; hep-ex/07080415;
6. DELPHI Collab., J. Abdallah, (K. Cieřlik, M. Kucharczyk, T. Lesiak, H. Pařka, G. Polok, M. Witek, A. Zalewska) et al.,
Search for a fourth generation b'-quark at LEP-II at $\sqrt{s}=196\text{-}209$ GeV,
Eur. Phys. J. C, **50** (2007) 507;

Internal Project Number 102

1. T. Bořd, J. Chwastowski, J. Figiel, P. Jurkiewicz, A. Kotarba,
Fast scintillator strip position detector with R7400 photomultiplier readout used in ZEUS experiment at HERA II,
Nucl. Instr. Meth. A, **573** (2007) 268;
2. S. Břultmann, (J. Chwastowski, B. Pawlik) et al.,
Double spin asymmetries A_{NN} and A_{SS} at $\sqrt{s}=200$ GeV in polarized proton-proton elastic scattering at RHIC,
Phys. Lett. B, **647** (2007) 98; nucl-ex/0610022;
3. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of prompt photons with associated jets in photoproduction at HERA,
Eur. Phys. J. C, **49** (2007) 511; hep-ex/0608028;
4. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of neutral current cross section at high Björken-x with the ZEUS detector at

- HERA*,
Eur. Phys. J. C, **49** (2007) 523; hep-ex/0608014;
5. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Search for stop production in R-parity-violating supersymmetry at HERA,
Eur. Phys. J. C, **50** (2007) 269; hep-ex/0611018;
 6. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Photoproduction of events with rapidity gaps between jets at HERA,
Eur. Phys. J. C, **50** (2007) 283; hep-ex/0612008;
 7. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of open beauty production at HERA in the $D^ \mu$ final state*,
Eur. Phys. J. C, **50** (2007) 299; hep-ex/0609050;
 8. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of K_S^0 , Λ and Λ production at HERA,
Eur. Phys. J. C, **51** (2007) 1; hep-ex/0612023;
 9. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA,
Eur. Phys. J. C, **51** (2007) 289; hep-ex/0608053;
 10. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Diffraction photoproduction of $D^{\pm}(2010)$ at HERA*,
Eur. Phys. J. C, **51** (2007) 301; hep-ex /0703046;
 11. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Forward-jet production in deep inelastic ep scattering at HERA,
Eur. Phys. J. C, **52** (2007) 515; hep-ex/07073093;
 12. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Dijet production in diffractive deep inelastic scattering at HERA,
Eur. Phys. J. C, **52** (2007) 813; hep-ex/07081415;
 13. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of D meson production in deep inelastic scattering at HERA,
J. High Energy Phys., **0707** (2007) 074; hep-ex/07043562;
 14. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA,
Nucl. Phys. B, **765** (2007) 1; hep-ex/0608048;
 15. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Event shapes in deep inelastic scattering at HERA,
Nucl. Phys. B, **767** (2007) 1; hep-ex/0604032;
 16. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Leading neutron energy and p_T distributions in deep inelastic scattering and photoproduction at HERA,
Nucl. Phys. B, **776** (2007) 1; hep-ex/0702028;

17. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Multijet production at low x_{Bj} in deep inelastic scattering at HERA,
Nucl. Phys. B, **786** (2007) 152; hep-ex/07051931;
18. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of (anti)deuteron and (anti)proton production in DIS at HERA,
Nucl. Phys. B, **786** (2007) 181; hep-ex/07053770;
19. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Measurement of D^{\pm} meson production in e^+p scattering at low Q^2* ,
Phys. Lett. B, **649** (2007) 111; hep-ex/0702034;
20. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA,
Phys. Lett. B, **649** (2007) 12; hep-ex/0701039;
21. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Bose-Einstein correlations of charged and neutral kaons in deep inelastic scattering at HERA,
Phys. Lett. B, **652** (2007) 1; hep-ex/07062538;
22. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
High- E_T dijet photoproduction at HERA,
Phys. Rev. D, **76** (2007) 072011; hep-ex/07063809;

Internal Project Number 103

1. H1 Collab., F.D. Aaron, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Dijet cross sections and parton densities in diffractive DIS at HERA,
J. High Energy Phys., **10** (2007) 042; hep-ex/07083217;
2. H1 Collab., F.D. Aaron, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Charged particle production in Q^2 deep-inelastic scattering at HERA,
Phys. Lett. B, **654** (2007) 148; hep-ex/07062456;
3. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, E. Łobodzińska, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Inclusive D^{\pm} meson cross section and $D^{*\pm}$ plus m_n ; - jet correlations in photoproduction at HERA*,
Eur. Phys. J. C, **50** (2007) 251; hep-ex/0608042;
4. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Diffractive open charm production in deep-inelastic scattering and photoproduction at HERA,
Eur. Phys. J. C, **50** (2007) 1; hep-ex/0610076;
5. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Inclusive D^{\pm} meson and associated dijet production in deep-inelastic scattering at HERA*,
Eur. Phys. J. C, **51** (2007) 271;
6. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering

- and photoproduction at HERA,
Eur. Phys. J. C, **51** (2007) 549; hep-ex/0703022;
7. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Search for baryonic resonances decaying to $\Xi\pi$ in deep-inelastic scattering at HERA,
Eur. Phys. J. C, **52** (2007) 507; hep-ex/07043594;
 8. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Search for lepton flavour violation in ep collisions at HERA,
Eur. Phys. J. C, **52** (2007) 833; hep-ex/0703004;
 9. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Measurement of inclusive jet production in deep-inelastic scattering at high Q^2 and determination of the strong coupling,
Phys. Lett. B, **653** (2007) 134; hep-ex/07063722;

Internal Project Number 104

1. Belle Collab., O.Tajima, (A. Bożek, T. Lesiak) et al.,
Search for the CP-violating decays $Upsilon(4S) \rightarrow B^0 B^0 \rightarrow J/\psi K_S^0 + J/\psi(\eta_c) K_S^0$,
Phys. Rev. Lett., **99** (2007) 211601; hep-ex/07074336;
2. Belle Collab., K. Abe, (J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, H. Pałka) et al.,
Observation of a charmoniumlike state produced in association with J/ψ in $e^+ e^-$ annihilation at $\sqrt{s} \approx 10.6$ GeV,
Phys. Rev. Lett., **98** (2007) 082001; hep-ex/0507019;
3. Belle Collab., K. Belous, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Measurement of the τ lepton mass and an upper limit on the mass difference between τ^+ and τ^- ,
Phys. Rev. Lett., **99** (2007) 011801; hep-ex/0608046;
4. Belle Collab., M.C. Chang, (A. Bożek, T. Lesiak, A. Matyja, H. Pałka) et al.,
Observation of the decay $B^0 \rightarrow J/\psi \eta$,
Phys. Rev. Lett., **98** (2007) 131803; hep-ex/0609047;
5. Belle Collab., P. Chang, (A. Bożek, T. Lesiak) et al.,
Improved measurements of branching fractions and CP asymmetries in $B \rightarrow \eta h$ decays,
Phys. Rev. D, **75** (2007) 071104(R); hep-ex/0608033;
6. Belle Collab., J. Chao, (P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Measurements of time-dependent CP violation in $B^0 \rightarrow \omega K_S^0$, $f_0(980) K_S^0$, $K_S^0 \pi^0$ and $K^+ K^- K_S^0$ decays,
Phys. Rev. D, **76** (2007) 091103(R); hep-ex/0609006;
7. Belle Collab., K.-F. Chen, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja) et al.,
Search for $B \rightarrow h^{()} \nu \nu$ decays at Belle*,
Phys. Rev. Lett., **99** (2007) 221802; hep-ex/07070138;
8. Belle Collab., K.-F. Chen, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka) et al.,
Observation of time-dependent CP violation in $B^0 \rightarrow \eta' K^0$ decays and improved measurements of CP asymmetries in $B^0 \rightarrow \phi K^0$, $K_S^0 K_S^0 K_S^0$ and $B^0 \rightarrow J/\psi K^0$ decays,
Phys. Rev. Lett., **98** (2007) 031802; hep-ex/0608039;
9. Belle Collab., W.T. Chen, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, H. Pałka) et al.,
A study of $\gamma\gamma \rightarrow K_S^0 K_S^0$ production at energies from 2.4 to 4.0 GeV at Belle,
Phys. Lett. B, **651** (2007) 15; hep-ex/0609042;

10. Belle Collab., J. Dalseno, (A. Bożek, P. Kapusta, T. Lesiak, W. Ostrowicz) et al.,
Measurement of branching fraction and time-dependent CP asymmetry parameters in $B^0 \rightarrow D^{+} D^{*-} K_S^0$ decays*,
Phys. Rev. D, **76** (2007) 072004; hep-ex/07062045;
11. Belle Collab., A. Drutskoy, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Measurement of inclusive D_S , D^0 , and J/Ψ rates and determination of the $B_S^{()} B P_S^{(*)}$ production fraction in bb events at the $Y(5S)$ resonance*,
Phys. Rev. Lett., **98** (2007) 052001; hep-ex/0608015;
12. Belle Collab., A. Drutskoy, (P. Kapusta, Z. Natkaniec) et al.,
Measurements of exclusive B_S^0 at the Upsilon ($5S$) resonance,
Phys. Rev. D, **76** (2007) 012002; hep-ex/0610003;
13. Belle Collab., D. Epifanov, (A. Bożek, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka) et al.,
Study of $\tau^- \rightarrow K_S \pi^- \nu_\tau$ decay at Belle,
Phys. Lett. B, **654** (2007) 65; hep-ex/07062231;
14. Belle Collab., S. Fratina, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja) et al.,
Evidence for CP violation in $B^0 \rightarrow D^+ D^-$ decays,
Phys. Rev. Lett., **98** (2007) 221802; hep-ex/0702031;
15. Belle Collab., A. Garmash, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Dalitz analysis of three-body charmless $B^0 \rightarrow K^0 \pi^+ \pi^-$ decay,
Phys. Rev. D, **75** (2007) 012006; hep-ex/0610081;
16. Belle Collab., A. Go, (A. Bożek, T. Lesiak, A. Matyja, Z. Natkaniec, H. Pałka) et al.,
Measurement of Einstein-Podolsky-Rosen-Type flavor entanglement in $Upsilon(4S) \rightarrow B^0 B^0$ decays,
Phys. Rev. Lett., **99** (2007) 131802; hep-ex/0702267;
17. Belle Collab., T. Hokuue, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Measurements of branching fractions and q^2 distributions for $B \rightarrow \pi l \nu$ and $B \rightarrow \rho l \nu$ decays with $B \rightarrow D^{()} l \nu$ decay tagging*,
Phys. Lett. B, **648** (2007) 139; hep-ex/0604024;
18. Belle Collab., H. Ishino, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja) et al.,
Observation of direct CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays and model-independent constraints on the quark-mixing angle ϕ_2 ,
Phys. Rev. Lett., **98** (2007) 211801; hep-ex/0608035;
19. Belle Collab., A. Kusaka, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Measurement of CP asymmetry in a time-dependent Dalitz analysis of $B^0 \rightarrow (\rho \pi)^0$ and a constraint on the quark mixing matrix angle ϕ_2 ,
Phys. Rev. Lett., **98** (2007) 221602; hep-ex/0701015;
20. Belle Collab., A. Kuzmin, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Study of $B^0 \rightarrow D^0 \pi^+ \pi^-$ decays,
Phys. Rev. D, **76** (2007) 012006; hep-ex/0611054;
21. Belle Collab., S.-W. Lin, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Measurement of branching fractions for $B \rightarrow K\pi$ and $B \rightarrow \pi\pi$ decays,
Phys. Rev. Lett., **99** (2007) 121601; hep-ex/0609015;
22. Belle Collab., S.-W. Lin, (A. Bożek, T. Lesiak) et al.,
Observation of B decays to two kaons,
Phys. Rev. Lett., **98** (2007) 181804; hep-ex/0608049;
23. Belle Collab., A. Matyja, (M. Róžańska, A. Bożek, J. Brodzicka, T. Lesiak, Z. Natkaniec, H. Pałka) et al.,
Observation of $B^0 \rightarrow D^{-} \tau^+ \nu_\tau$ decay at Belle*,
Phys. Rev. Lett., **99** (2007) 191807; hep-ex/07064429;

24. Belle Collab., T. Medvedeva, (A. Bożek, J. Brodzicka, T. Lesiak, Z. Natkaniec) et al.,
Observation of the decay $B^0 \rightarrow D_s^+ \Lambda p$,
Phys. Rev. D, **76** (2007) 051102; hep-ex/07042652;
25. Belle Collab., Y. Miyazaki, (P. Kapusta, T. Lesiak) et al.,
Search for lepton flavor violating τ^- decays into $l\eta$, $l\eta'$ and $l\pi^0$,
Phys. Lett. B, **648** (2007) 341; hep-ex/0703009;
26. Belle Collab., R. Mizuk, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Experimental constraints on the spin and parity of the $\Lambda_c(2880)^+$,
Phys. Rev. Lett., **98** (2007) 262001;
27. Belle Collab., T. Mori, (A. Bożek, J. Brodzicka, T. Lesiak, Z. Natkaniec) et al.,
High statistics study of the $f_0(980)$ resonance in $\gamma\gamma \rightarrow \pi^+\pi^-$ production,
Phys. Rev. D, **75** (2007) 051101; hep-ex/0610038;
28. Belle Collab., T. Mori, (P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz) et al.,
High statistics measurement of the cross sections of $\gamma\gamma \rightarrow \pi^+\pi^-$ production,
J. Phys. Soc. Jpn., **76** (2007) 074102; hep-ex/07043538;
29. Belle Collab., G. Pakhlova, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Measurement of the near-threshold $e^+e^- \rightarrow D^{()\pm}D^{(*)\mp}$ cross section using initial-state radiation,*
Phys. Rev. Lett., **98** (2007) 092001;
30. Belle Collab., K.S. Park, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec, W. Ostrowicz) et al.,
Study of the charmed baryonic decays $B^0 \rightarrow \Sigma_c^{++} p\pi^-$ and $B^0 \rightarrow \Sigma_c^0 p\pi^+$,
Phys. Rev. D, **75** (2007) 011101; hep-ex/0608025;
31. Belle Collab., N. Satoyama, (A. Bożek, T. Lesiak, Z. Natkaniec) et al.,
A search for the rare leptonic decays $B^+ \rightarrow \mu^+ \nu_\mu$ and $B^+ \rightarrow e^+ \nu_e$,
Phys. Lett. B, **647** (2007) 67; hep-ex/0611045;
32. Belle Collab., C. Schwanda, (A. Bożek, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Moments of the hadronic invariant mass spectrum in $b \rightarrow X_c l \nu$ decays at Belle,
Phys. Rev. D, **75** (2007) 032005; hep-ex/0611044;
33. Belle Collab., J. Schümann, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja) et al.,
Search for B decays into $\eta\rho$, $\eta'K^$, $\eta'\phi$, $\eta'\omega$ and $\eta'\eta^{(\prime)}$ at Belle,*
Phys. Rev. D, **75** (2007) 092002; hep-ex/0701046;
34. Belle Collab., A. Sokolov, (P. Kapusta, T. Lesiak, Z. Natkaniec, H. Pałka) et al.,
Observation of the decay $Upsilon(4S) \rightarrow Upsilon(1S) \pi^+ \pi^-$,
Phys. Rev. D, **75** (2007) 071103; hep-ex/0611026;
35. Belle Collab., A. Somov, (T. Lesiak) et al.,
Improved measurement of CP -violating parameters in $B^0 \rightarrow \rho^+ \rho^-$ decays,
Phys. Rev. D, **76** (2007) 011104(R); hep-ex/0702009;
36. Belle Collab., M. Stasic, (A. Bożek, J. Brodzicka, T. Lesiak, P. Kapusta, A. Matyja, Z. Natkaniec, H. Pałka, M. Różańska) et al.,
Evidence for D^0 - \bar{D}^0 mixing,
Phys. Rev. Lett., **98** (2007) 211803; hep-ex/0703036;
37. Belle Collab., O. Tajima, (A. Bożek, T. Lesiak, Z. Natkaniec) et al.,
Search for invisible decay of the $Upsilon(1S)$,
Phys. Rev. Lett., **98** (2007) 132001; hep-ex/0611041;
38. Belle Collab., Y.-T. Tsai, (T. Lesiak, Z. Natkaniec) et al.,
Search for $B^0 \rightarrow pp$, $\Lambda\Lambda$ and $B^+ \rightarrow p\Lambda$ at Belle,
Phys. Rev. D, **75** (2007) 111101; hep-ex/0703048;
39. Belle Collab., T. Tsuboyama, (Z. Natkaniec, W. Ostrowicz, M. Różańska) et al.,
Silicon vertex detector for the KEK Super B factory,
Nucl. Instr. Meth. A, **572** (2007) 321;

40. Belle Collab., P. Urquijo, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Moments of the electron energy spectrum and partial branching fraction of $B \rightarrow X_c e \nu$ decays at the Belle detector,
Phys. Rev. D, **75** (2007) 032001; hep-ex/0610012;
41. Belle Collab., C.H. Wang, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec) et al.,
Measurement of charmless B decays to ηK^ and $\eta \rho$* ,
Phys. Rev. D, **75** (2007) 092005; hep-ex/0701057;
42. Belle Collab., M.-Z. Wang, (T. Lesiak, W. Ostrowicz, H. Pałka) et al.,
Study of $B^+ \rightarrow p \Lambda \gamma$, $p \Lambda \pi^0$ and $B^0 \rightarrow p \Lambda \pi^-$,
Phys. Rev. D, **76** (2007) 052004; hep-ex/07042672;
43. Belle Collab., X.L. Wang, (A. Bożek, J. Brodzicka, T. Lesiak, Z. Natkaniec, H. Pałka) et al.,
Observation of two resonant structures in $e^+ e^- \rightarrow \pi^+ \pi^- \psi(2S)$ via initial-state radiation at Belle,
Phys. Rev. Lett., **99** (2007) 142002; hep-ex/07073699;
44. Belle Collab., Q.I. Xie, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Search for $B^+ \rightarrow J/\psi \eta' K^+$ and $B^0 \rightarrow J/\psi \eta' K_s^0$ decays,
Phys. Rev. D, **75** (2007) 017101; hep-ex/0610084;
45. Belle Collab., C.Z. Yuan, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja, Z. Natkaniec, H. Pałka) et al.,
Measurement of $e^+ e^- \rightarrow \pi^+ \pi^- J/\psi$ cross section via initial-state radiation at Belle,
Phys. Rev. Lett., **99** (2007) 182004; hep-ex/07072541;
46. Belle Collab., L.M. Zang, (A. Bożek, J. Brodzicka, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz) et al.,
Measurement of $D^0 - \bar{D}^0$ mixing parameters in $D^0 \rightarrow K_s \pi^+ \pi^-$ decays,
Phys. Rev. Lett., **99** (2007) 131803; hep-ex/07041000;
47. Belle Collab., A. Zupanc, (A. Bożek, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Improved measurement of $B^0 \rightarrow D_s^- D^+$ and search for $B^0 \rightarrow D_s^+ D_s^-$ at Belle,
Phys. Rev. D, **75** (2007) 091102; hep-ex/0703040;
48. T. Lesiak,
The dark side of Belle,
Acta Phys. Pol. B, **38** (2007) 3851;

Internal Project Number 105

1. J. Abraham, (D. Góra, P. Homola, J. Pękala, B. Wilczyńska, H. Wilczyński) et al.,
An upper limit to the photon fraction in cosmic rays above 10^{19} eV from the Pierre Auger Observatory,
Astropart. Phys., **27** (2007) 155; astro-ph/0606619;
2. D. Góra, M. Roth, A. Tamburro,
A MC approach to simulate up- and down-going neutrino showers including local topographic conditions,
Astropart. Phys., **26** (2007) 402;
3. P. Homola, M. Risse, R. Engel, D. Góra, J. Pękala, B. Wilczyńska, H. Wilczyński,
Characteristic of geomagnetic cascading of ultra-high energy photons at the southern and northern sites of the Pierre Auger Observatory,
Astropart. Phys., **27** (2007) 174; astro-ph/0608101;
4. Pierre Auger Collab., J. Abraham, (D. Góra, P. Homola, J. Pękala, B. Wilczyńska, H. Wilczyński) et al.,
Anisotropy studies around the galactic centre at EeV energies with the Auger Observatory,
Astropart. Phys., **27** (2007) 244; astro-ph/0607382;

5. Pierre Auger Collab., J. Abraham, (D. Góra, J. Pękala, B. Wilczyńska, H. Wilczyński) et al., *Correlation of the highest energy cosmic rays with nearby extragalactic objects*, Science, **318** (2007) 939; astro-ph/07112256;
6. M. Risse, P. Homola, *Search for ultra-high energy photons using air showers*, Mod. Phys. Lett. A, **22** (2007) 749; hep-ph/0702632;

Internal Project Number 106

1. J. Äystö, (D. Stefan, A. Zalewska) et al., *Large underground, liquid based detectors for astro-particle physics in Europe: scientific case and prospects*, J. Cosmol. Astropart. Phys., **11** (2007) 011; hep-ph/07050116;
2. WARP Collab., P. Benetti, (A.M. Szelc) et al., *Measurement of the specific activity of ^{39}Ar in natural argon*, Nucl. Instr. Meth. A, **574** (2007) 83; astro-ph/0603131;

Internal Project Number 107

1. A. Abdesselam, (J. Błocki, S. Gadomski, E. Górnicki, P. Malecki, A. Moszczyński, E. Stanecka, R. Szczygieł, M. Turała, M. Wolter) et al., *The ATLAS semiconductor tracker end-cap module*, Nucl. Instr. Meth. A, **575** (2007) 353;
2. A. Ahmad, (P. Brückman, S. Gadomski, E. Górnicki, P. Malecki, A. Moszczyński, E. Stanecka, M. Turała, M. Wolter) et al., *The silicon microstrip sensors of the ATLAS semiconductor tracker*, Nucl. Instr. Meth. A, **578** (2007) 98;
3. ATLAS Collab., K. Kordas, (S. Gadomski, K. Korcyl, T. Szymocha) et al., *The ATLAS Data Acquisition and Trigger: concept, design and status*, Nucl. Phys. B-Proc. Sup., **172** (2007) 178;
4. P. Brückman, *Alignment strategy for the ATLAS tracker*, Nucl. Instr. Meth. A, **582** (2007) 800;
5. Z. Doležal, (S. Gadomski) et al., *Laser tests of silicon detectors*, Nucl. Instr. Meth. A, **573** (2007) 12;
6. A. Kaczmarska, *Particle identification for Higgs physics in the ATLAS experiment*, Acta Phys. Pol. B, **38** (2007) 805;
7. A. Kaczmarska, for ATLAS Collab., *Tau leptons as a probe for new physics at LHC*, Nucl. Phys. B-Proc. Sup., **169** (2007) 351;
8. E. Stanecka, for ATLAS SCT Collab., *Commissioning of the ATLAS Semiconductor Tracker with cosmic rays*, Nucl. Instr. Meth. A, **581** (2007) 295;
9. M. Wolter, *Multivariate analysis methods in physics*, Phys. Part. Nuclei, **38** (2007) 255;

Internal Project Number 109

1. W. Wierba,
Very forward calorimeters readout and machine interface,
Pramana-J. Phys., **69** (2007) 1191;

Internal Project Number 110

1. J. Alwall, (Z. Wąs, M. Worek) et al.,
A standard format for Les Houches Event Files,
Comput. Phys. Commun., **176** (2007) 300; hep-ph/0609017;
2. A. Arbuzov, (G. Nanava) et al.,
SANcnews: sector 4f, charged current,
Eur. Phys. J. C, **51** (2007) 585; hep-ph/0703043;
3. D. Bardin, S. Bondarenko, L. Kalinovskaya, G. Nanava, L. Romyantsev,
Electroweak radiative correction to the three channels of the process $f_1 f_1 HA \rightarrow 0$,
Eur. Phys. J. C, **52** (2007) 83; hep-ph/0702115;
4. P. Golonka, Z. Wąs,
Next to leading logarithms and the PHOTOS Monte Carlo,
Eur. Phys. J. C, **50** (2007) 53; hep-ph/0604232;
5. S. Jadach, W. Płaczek, M. Skrzypek, P. Stephens, Z. Wąs,
Towards new Monte Carlo (QCD + EW) for W/Z production at LHC,
Acta Phys. Pol. B, **38** (2007) 2305;
6. S. Jadach, P. Sawicki,
mFOAM-1.02: A compact version of the cellular event generator FOAM,
Comput. Phys. Commun., **177** (2007) 441; physics/056084;
7. G. Nanava, Z. Wąs,
Scalar QED, NLO and PHOTOS Monte Carlo,
Eur. Phys. J. C, **51** (2007) 569; hep-ph/0607019;
8. W. Płaczek, K. Golec-Biernat, S. Jadach, M. Skrzypek,
Solving the QCD NLO evolution equations with a Markovian Monte Carlo,
Acta Phys. Pol. B, **38** (2007) 2357; hep-ph/07043344;
9. M. Skrzypek, K. Golec-Biernat, S. Jadach, W. Płaczek,
QCD ISR Monte Carlo with $\alpha(k_T)$,
Acta Phys. Pol. B, **38** (2007) 2369;
10. P. Stephens, S. Jadach, M. Skrzypek,
Matching Constrained Monte Carlo to NLO matrix element,
Acta Phys. Pol. B, **38** (2007) 2379;
11. P. Stokłosa, M. Skrzypek,
Method of fitting PDFs for the Monte Carlo solutions of the evolution equations in QCD,
Acta Phys. Pol. B, **38** (2007) 2577;
12. Z. Wąs,
Precision simulations with TAUOLA and PHOTOS,
Nucl. Phys. B-Proc. Sup., **169** (2007) 16; hep-ph/0610386;
13. K. Zalewski,
Pitfalls of the theory of Bose-Einstein correlations in multiple particle production processes,
Nucl. Phys. B-Proc. Sup., **164** (2007) 50;

Internal Project Number 111

1. Ł. Bratek,
Curious spacetime singularities,
Acta Phys. Pol. B, **38** (2007) 3957;

2. Ł. Bratek, J. Jałocha, M. Kutschera,
A class of space-times of non-rigidly rotating dust,
Acta Phys. Pol. B, **38** (2007) 2513; gr-qc/0604098;
3. Ł. Bratek, J. Jałocha, M. Kutschera,
Van Stockum-Bonnor spacetimes of rigidly rotating dust,
Phys. Rev. D, **75** (2007) 107502; astro-ph/0603791;
4. Ł. Bratek, M. Kolonko,
An algorithm for solving the pulsar equation,
Astrophys. Space Sci., **309** (2007) 231; astro-ph/0605514;
5. J. Jałocha, Ł. Bratek, M. Kutschera, M. Kolonko,
Clustering scale of dark matter,
Acta Phys. Pol. B, **38** (2007) 3859;
6. S. Kubis,
Matter stability in the neutron star interior,
Acta Phys. Pol. B, **38** (2007) 3879;
7. S. Kubis,
Nuclear symmetry energy and stability of matter in neutron stars,
Phys. Rev. C, **76** (2007) 025801; astro-ph/0611740;
8. M. Kutschera, M. Dyrda,
Coincidence of universe age in Λ CDM and Milne cosmologies,
Acta Phys. Pol. B, **38** (2007) 215;
9. A. Szmagliński, W. Wójcik, M. Kutschera,
Neutron and proton separation in dense neutron star matter for realistic nuclear models,
Acta Phys. Pol. B, **38** (2007) 1139;

Internal Project Number 112

1. P. Błasiak, A. Horzela, K.A. Penson, A.I. Solomon, G.H.E. Duchamp,
Combinatorics and Boson normal ordering: A gentle introduction,
Am. J. Phys., **75** (2007) 639; quant-ph/0704311;

Internal Project Number 201

1. P. Bednarczyk, (R. Wolski) et al.,
Application of diamond detectors in tracking of heavy ion slowed down radioactive beams,
Acta Phys. Pol. B, **38** (2007) 1293;
2. M. Caamano, (R. Wolski) et al.,
Resonance state in ${}^7\text{H}$,
Phys. Rev. Lett., **99** (2007) 062502;
3. C.E. Demonchy, (R. Wolski) et al.,
MAYA: An active-target detector for binary reactions with exotic beams,
Nucl. Instr. Meth. A, **583** (2007) 341;
4. A. Gillibert, (R. Wolski) et al.,
Structure of exotic nuclei from direct reactions,
Nucl. Phys. A, **787** (2007) 423c;
5. M.S. Golovkov, (R. Wolski) et al.,
New insight into the low-energy ${}^9\text{He}$ spectrum,
Phys. Rev. C, **76** (2007) 021605(R);
6. INDRA and ALADIN Collab., N. Le Neindre, (J. Łukasik) et al.,
Yield scaling, size hierarchy and fluctuations of observables in fragmentation of excited heavy

- nuclei,
Nucl. Phys. A, **795** (2007) 47;
7. N. Keeley, (R. Wolski) et al.,
Probing the ^8He ground state via the $^8\text{He}(p,t)^6\text{He}$ reaction,
Phys. Lett. B, **646** (2007) 222;
 8. Yu. Murin, (A. Budzanowski, B. Czech, I. Skwirczyńska) et al.,
A detector system for studying nuclear reactions relevant to Single Event Effects,
Nucl. Instr. Meth. A, **578** (2007) 385;
 9. PISA Collab., A. Bubak, (A. Budzanowski, M. Kistryn, S. Kliczewski, E. Kozik, P. Kulesa,
K. Pysz, R. Siudak) et al.,
*Non-equilibrium emission of complex fragments from p+Au collisions at 2.5 GeV proton beam
energy,*
Phys. Rev. C, **76** (2007) 014618; nucl-ex/07092816;
 10. C. Sfienti, (J. Cibor, B. Czech, J. Łukasik, P. Pawłowski) et al.,
Gross properties and isotopic phenomena in spectator fragmentation,
Nucl. Phys. A, **787** (2007) 627c; nucl-ex/0610004;
 11. W. Trautmann, (J. Łukasik) et al.,
Thermal and chemical freeze-out in spectator fragmentation,
Phys. Rev. C, **76** (2007) 064606;
 12. J. Wang, (J. Cibor) et al.,
*Properties of the initial participant matter interaction zone in near-Fermi-energy heavy ion
collisions,*
Phys. Rev. C, **75** (2007) 014604; nucl-ex/0603009;

Internal Project Number 202

1. M. Brekiesz, (A. Maj, M. Kmiecik, K. Mazurek, W. Męczyński, J. Styczeń, K. Zuber) et al.,
*Deformation effects in hot rotating ^{46}Ti probed by the charged particle emission and GDR γ -
decay,*
Nucl. Phys. A, **788** (2007) 224;
2. M. Brekiesz, (A. Maj, M. Kmiecik, K. Mazurek, W. Męczyński, J. Styczeń, K. Zuber) et al.,
*Deformation effects in hot rotating ^{46}Ti probed by the charged particle emission and GDR γ -
decay,*
Nucl. Phys. A, **788** (2007) 224c; nucl-ex/0608011;
3. L.S. Caceres, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, S. Myalski) et al.,
Identification of excited states in the $N=Z$ nucleus ^{82}Nb ,
Acta Phys. Pol. B, **38** (2007) 1271;
4. P. Doornenbal, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, W. Męczyński) et al.,
The $T=2$ mirrors ^{36}Ca and ^{36}S : A test for isospin symmetry of shell gaps at the driplines,
Phys. Lett. B, **647** (2007) 237;
5. FRS Collab., A. Bracco, (A. Maj, P. Bednarczyk, J. Grębosz, M. Kmiecik, W. Męczyński, J.
Styczeń) et al.,
Coulomb excitation of ^{68}Ni at 600 AMeV,
Acta Phys. Pol. B, **38** (2007) 1229;
6. G-RISING Collab., L. Atanasova, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj) et al.,
A RISING g-factor measurement of the $19/2^+$ isomer in ^{127}Sn ,
Prog. Part. Nucl. Phys., **59** (2007) 355;
7. A.B. Garnsworthy, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, S. Myalski) et al.,
Isomeric states in the light T_c isotopes,
Acta Phys. Pol. B, **38** (2007) 1265;

8. J. Grębosz,
The Cracow code - an interactive method of sophisticated online analysis,
Comput. Phys. Commun., **176** (2007) 251;
9. C.R. Hansen, (A. Maj) et al.,
Band structure extending to very high spin in ^{126}Xe ,
Phys. Rev. C, **76** (2007) 034311;
10. B. Herskind, (A. Maj, M. Kmiecik, M. Brekiesz, J. Styczeń, K. Zuber) et al.,
Light charged particles as gateway to hyperdeformation,
Acta Phys. Pol. B, **38** (2007) 1421;
11. A. Jungelaus, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, S. Myalski) et al.,
Observation of isomeric decays in the r-process waiting-point nucleus $^{130}\text{Cd}_{82}$,
Phys. Rev. Lett., **99** (2007) 132501;
12. M. Kmiecik, (A. Maj, M. Brekiesz, K. Mazurek, P. Bednarczyk, J. Grębosz, W. Męczyński, J. Styczeń, M. Ziębliński, K. Zuber) et al.,
Strong deformation effects in hot rotating ^{46}Ti ,
Acta Phys. Pol. B, **38** (2007) 1437;
13. K.H. Maier, T. Kibedi, P. Boutachkov,
Shell model proton neutron hole interaction from the properties of ^{208}Bi ,
Acta Phys. Pol. B, **38** (2007) 1375;
14. K. Mazurek, M. Kmiecik, A. Maj, J. Dudek, N. Schunck,
Effective GDR width of ^{132}Ce at high spins and temperatures from the LSD model,
Acta Phys. Pol. B, **38** (2007) 1455;
15. C. Mazzocchi, (W. Królas) et al.,
 α decay of ^{109}I and its implications for the proton decay of ^{105}Sb and the astrophysical rapid proton-capture process,
Phys. Rev. Lett., **98** (2007) 212501;
16. W. Męczyński, (P. Bednarczyk, J. Grębosz, M. Janicki, K.H. Maier, M. Ziębliński, J. Styczeń) et al.,
A detector for filtering γ -ray spectra from weak fusion-evaporation reactions out of strong background and for Doppler correction: the recoil filter detector, RFD,
Nucl. Instr. Meth. A, **580** (2007) 1310;
17. S. Myalski, (M. Kmiecik, A. Maj, P. Bednarczyk, J. Grębosz) et al.,
Isomeric ratio for the $I^\pi=8^+$ yrast state in ^{96}Pd produced in the relativistic fragmentation of ^{107}Ag ,
Acta Phys. Pol. B, **38** (2007) 1277;
18. G. Neyens, (P. Bednarczyk, J. Grębosz, A. Maj, M. Kmiecik, K. Mazurek, W. Męczyński, S. Myalski, J. Styczeń) et al.,
 γ factor measurements on relativistic isomeric beams produced by fragmentation and U-fission: The g-RISING Project at GSI,
Acta Phys. Pol. B, **38** (2007) 1237;
19. S. Pietri, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj) et al.,
Recent results in fragmentation isomer spectroscopy with rising,
Nucl. Instr. Meth. B, **261** (2007) 1079;
20. S. Pietri, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, S. Myalski) et al.,
First results from the stopped beam isomer RISING campaign at GSI,
Acta Phys. Pol. B, **38** (2007) 1255;
21. P.H. Regan, (J. Grębosz, P. Bednarczyk, M. Kmiecik, A. Maj, S. Myalski) et al.,
Isomer spectroscopy using relativistic projectile fragmentation at the $N=Z$ line for $A\sim 80 \rightarrow 90$,
Nucl. Phys. A, **787** (2007) 491c;

22. RISING Collab., M. Górska, (P. Bednarczyk, A. Maj) et al.,
Nuclear structure far off stability -- RISING campaigns,
Acta Phys. Pol. B, **38** (2007) 1219;
23. S.J. Steer, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj, S. Myalski) et al.,
Identification of isomeric states 'south' of ^{208}Pb via projectile fragmentation,
Acta Phys. Pol. B, **38** (2007) 1283;
24. D. Tonev, (P. Bednarczyk) et al.,
Question of dynamic chirality in nuclei: The case of ^{134}Pr ,
Phys. Rev. C, **76** (2007) 044313;
25. O. Wieland, (A. Maj, M. Kmiecik) et al.,
Damping mechanism of the giant dipole resonance in hot nuclei with $A=130$,
Acta Phys. Pol. B, **38** (2007) 1447;
26. S. Zhu, (B. Fornal, R. Broda, W. Królas, T. Pawlat, J. Wrzesiński) et al.,
One-particle excitations outside the ^{54}Ti semi-magic core: The ^{55}V and ^{55}Ti yrast structures,
Phys. Lett. B, **650** (2007) 135;

Internal Project Number 203

1. H.-H. Adam, (A. Budzanowski) et al.,
Hadronic ^3He η production near threshold,
Phys. Rev. C, **75** (2007) 014004;
2. S. Barsov, (P. Kulessa) et al.,
Study of ω -meson production in pp collisions at ANKE,
Eur. Phys. J. A, **31** (2007) 95; nucl-ex/0609010;
3. M.G. Betigeri, (A. Budzanowski, S. Kliczewski, R. Siudak) et al.,
A large acceptance scintillator detector with wavelength shifting fibre readout for search of η -nucleus bound states,
Nucl. Instr. Meth. A, **578** (2007) 198; physics.ins-det/07052386;
4. COSY-MOMO Collab., F. Bellemann, (A. Kozela) et al.,
Experimental study of the $pd \rightarrow ^3\text{He} K^+ K^-$ and $pd \rightarrow ^3\text{He} \phi$ reactions close to threshold,
Phys. Rev. C, **75** (2007) 015204;
5. R. Czyżykiewicz, (A. Budzanowski) et al.,
Study of the production mechanism of the η meson by means of analysing power measurements,
Int. J. Mod. Phys. A, **22** (2007) 518; nucl-ex/0608036;
6. R. Czyżykiewicz, (A. Budzanowski) et al.,
Mechanism of near-threshold production of the η meson,
Phys. Rev. Lett., **98** (2007) 122003;
7. M. Hartmann, (P. Kulessa, K. Pysz) et al.,
The near-threshold production of ϕ -mesons in proton-nucleon collisions,
Int. J. Mod. Phys. A, **22** (2007) 317;
8. V. Jha, (A. Budzanowski, S. Kliczewski, R. Siudak) et al.,
Search for η -nucleus bound state at COSY,
Int. J. Mod. Phys. A, **22** (2007) 596;
9. M. Lesiak, (A. Budzanowski, S. Kliczewski, R. Siudak) et al.,
Study of the η meson production in the $d \rightarrow +d \rightarrow ^4\text{He} + \eta$ reaction using the polarized beam,
Int. J. Mod. Phys. A, **22** (2007) 523;
10. T. Mersmann, (P. Kulessa) et al.,
Precision study of the $\eta^3\text{He}$ system using the $dp \rightarrow ^3\text{He}\eta$ reaction,
Phys. Rev. Lett., **98** (2007) 242301; nucl-ex/0701072;

11. P. Moskal, (A. Budzanowski) et al.,
 η and η' mesons production at COSY-11,
Int. J. Mod. Phys. A, **22** (2007) 305; nucl-ex/0609035;
12. N.N. Nikolaev, W. Schäfer, B.G. Zakharov, V.R. Zoller,
Unitarity constraints for deep-inelastic scattering on nuclei: Predictions for electron-ion colliders,
JETP Lett., **84** (2007) 537; hep-ph/0610319;
13. W. Olert, (A. Budzanowski) et al.,
General thoughts to the kaon pair production in the threshold region,
Int. J. Mod. Phys. A, **22** (2007) 502; hep-ph/0609092;
14. A.A. Rudchik, (S. Kliczewski, A. Budzanowski, B. Czech, E. Kozik, I. Skwirczyńska, R. Siudak, A. Szczurek) et al.,
Elastic and inelastic scattering of ${}^7\text{Li}+{}^{18}\text{O}$ versus ${}^7\text{Li}+{}^{16}\text{O}$,
Nucl. Phys. A, **785** (2007) 293;
15. A.T. Rudchik, (A. Budzanowski, B. Czech, S. Kliczewski, R. Siudak, I. Skwirczyńska, A. Szczurek) et al.,
Isotopic effects in the ${}^7\text{Li}+{}^{10,11}\text{B}$ elastic and inelastic scattering,
Eur. Phys. J. A, **33** (2007) 317;
16. W. Schäfer,
Forward pion production at large transverse momenta in pp collisions and beyond,
Int. J. Mod. Phys. A, **22** (2007) 587; hep-ph/0608345;
17. J. Smyrski, (A. Budzanowski) et al.,
Study of the ${}^3\text{He} - \eta'$ system in d-p collisions,
Nucl. Phys. A, **790** (2007) 438c; nucl-ex/0612009;
18. J. Smyrski, (A. Budzanowski) et al.,
Measurement of the $dp \rightarrow {}^3\text{He}\eta$ reaction near threshold,
Phys. Lett. B, **649** (2007) 258; nucl-ex/0702043;
19. E. Stephan, (A. Kozela) et al.,
Vector and tensor analyzing powers of elastic deuteron-proton scattering at 130 MeV deuteron beam energy,
Phys. Rev. C, **76** (2007) 057001;

Internal Project Number 204

1. G. Barr, (A. Rybicki) et al.,
Charged pion production in p+C collisions at 158 GeV/c beam momentum: Discussion,
Eur. Phys. J. C, **49** (2007) 919; hep-ex/0606029;
2. E. Kornaś, for the NA49 Collab.,
Energy dependence of proton and antiproton production in central Pb+Pb collisions from NA49,
Eur. Phys. J. C, **49** (2007) 293; Proc. of the Hot Quarks 2006, Sardinia, Italy, 15-20 May 2006,;
3. NA49 Collab., C. Alt, (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Elliptic flow of Λ hyperons in Pb+Pb collisions at 158A GeV,
Phys. Rev. C, **75** (2007) 044901; nucl-ex/0606026;
4. NA49 Collab., C. Alt, (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Centrality and system size dependence of multiplicity fluctuations in nuclear collisions at 158 A GeV,
Phys. Rev. C, **75** (2007) 064904; nucl-ex/0612010;
5. NA49 Collab., C. Alt, (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Rapidity and energy dependence of the electric charge correlations in A+A collisions from 20A

- to 158A GeV,
Phys. Rev. C, **76** (2007) 024914; nucl-ex/07051122;
6. NA49 Collab., C. Alt, (J. Bartke, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Inclusive production of charged pions in p+C collisions at 158 GeV/c beam momentum,
Eur. Phys. J. C, **49** (2007) 897; nucl-ex/0606028;
 7. A. Rybicki,
Meson production at SPS energies,
Int. J. Mod. Phys. A, **22** (2007) 659;
 8. A. Rybicki, A. Szczurek,
Spectator electromagnetic effect on charged pion spectra in peripheral ultrarelativistic heavy ion collisions,
Phys. Rev. C, **75** (2007) 054903; nucl-th/0610036;

Internal Project Number 205

1. E. Garcia, (A. Olszewski, K. Woźniak) et al.,
Vertex reconstruction using a single layer silicon detector,
Nucl. Instr. Meth. A, **570** (2007) 536;
2. W. Li for the PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Two-particle angular correlations in p+p and Cu+Cu collisions at PHOBOS,
J. Phys. G Nucl. Partic., **34** (2007) S1005; nucl-ex/0701055;
3. C. Loizides for the PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Elliptic flow, eccentricity and eccentricity fluctuations,
Braz. J. Phys., **37** (2007) 770; nucl-ex/0611017;
4. PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Elliptic flow fluctuations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV,
Int. J. Mod. Phys. E, **16** (2007) 3331; nucl-ex/0702036;
5. PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Cluster properties from two-particle angular correlations in p+p collisions at $\sqrt{s}=200$ and 410 GeV,
Phys. Rev. C, **75** (2007) 054913; nucl-ex/07040966;
6. PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
System size, energy, pseudorapidity and centrality dependence of elliptic flow,
Phys. Rev. Lett., **98** (2007) 242302; nucl-ex/0610037;
7. PHOBOS Collab., B.B. Back, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Identified hadron transverse momentum spectra in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV,
Phys. Rev. C, **75** (2007) 024910; nucl-ex/0610001;
8. PHOBOS Collab., D.J. Hofman, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Latest results from PHOBOS,
J. Phys. G Nucl. Partic., **34** (2007) S217; nucl-ex/0701051;
9. PHOBOS Collab., C. Loizides, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Elliptic flow fluctuations in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions at RHIC,
J. Phys. G Nucl. Partic., **34** (2007) S907; nucl-ex/0701049;

10. PHOBOS Collab., S. Manly, (R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Eccentricities of flow - Elliptic flow fluctuations and evidence for transverse localization in the initial state of the matter in relativistic heavy ion collisions,
High Energ. Phys. Nucl. Phys. - Chinese Edit., **31** (2007) 1133; nucl-ex/0702029;
11. PHOBOS Collab., R. Nouicer, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Elliptic flow and initial eccentricity in Cu+Cu and Au+Au collisions at RHIC,
J. Phys. G Nucl. Partic., **34** (2007) S887; nucl-ex/0701054;
12. G.I. Veres for the PHOBOS Collab., B. Alver, (R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Antiparticle to particle ratios and identified hadron spectra in Cu+Cu and Au+Au collisions,
J. Phys. G Nucl. Partic., **34** (2007) S1103; nucl-ex/0701064;
13. B. Wosiek,
Heavy ion physics with the ATLAS detector,
Acta Phys. Pol. B, **38** (2007) 1047;

Internal Project Number 206

1. CMS Collab., X. Aslanoglou, (A. Cyz, E. Gładysz-Dziaduś) et al.,
Performance studies of prototype II for the CASTOR forward calorimeter at the CMS experiment,
Eur. Phys. J. C, **52** (2007) 495; physic.ins-det/07062641;
2. CMS Collab., D. d'Enterria, (J. Błocki, A. Cyz, E. Gładysz-Dziaduś, S. Mikocki, J. Turnau, P. Żychowski) et al.,
CMS physics technical design report: Addendum on high density QCD with heavy ions,
J. Phys. G Nucl. Partic., **34** (2007) 2307;
3. CMS Collab., R.N.C. Gray, (J. Błocki, A. Cyz, E. Gładysz-Dziaduś, S. Mikocki, J. Turnau, P. Żychowski) et al.,
CMS physics technical design report. Vol II: Physics performance,
J. Phys. G Nucl. Partic., **34** (2007) 995; CERN/LHCC 2006-021; CMS TDR 8.2;
4. E. Norbeck, E. Gładysz-Dziaduś, P. Katsas, Y. Onel, A.D. Panagiotou, for the CMS Collab.,
Exotic physics at the LHC with CASTOR in CMS,
Int. J. Mod. Phys. E, **16** (2007) 2451; CMS-CR-2007-013; CERN-CMS-CR-2007-013;

Internal Project Number 207

1. A. Adamczak,
Differential cross sections for muonic atom scattering in solid hydrogenic targets,
Phys. Rev. A, **76** (2007) 052512;
2. A. Adamczak, J. Gronowski,
Diffusion radius of muonic hydrogen atoms in H-D gas,
Eur. Phys. J. D, **41** (2007) 493; physics/0609146;
3. W.M. Alberico, A. Beraudo, A. Czerska, P. Czerski, A. Molinari,
Meson screening masses in the interacting QCD plasma,
Nucl. Phys. A, **792** (2007) 152; hep-ph/0703298;
4. P. Czerski,
Pseudoscalar meson temporal correlation function for finite momenta in HTL approach,
Int. J. Mod. Phys. A, **22** (2007) 672; hep-ph/0608134;

5. A. Kamińska, T. Srokowski,
Mean first passage time for a Markovian jumping process,
Acta Phys. Pol. B, **38** (2007) 3119;
6. M. Łuszczak, A. Szczurek,
Charmed meson production in proton - (anti)proton collisions,
Int. J. Mod. Phys. A, **22** (2007) 555; hep-ph/0608202;
7. T. Pietrycki, A. Szczurek,
Direct photon production in pp and pp collisions at high energies,
Int. J. Mod. Phys. A, **22** (2007) 541; hep-ph/0608190;
8. T. Pietrycki, A. Szczurek,
Parton transverse momenta and direct photon production in hadron collisions at high energies,
Phys. Rev. D, **75** (2007) 014023; hep-ph/0606304;
9. T. Pietrycki, A. Szczurek,
Photon-jet correlations in pp and pp collisions,
Phys. Rev. D, **76** (2007) 034003; hep-ph/07042158;
10. W. Schäfer, A. Szczurek,
Exclusive photoproduction of J/ψ in proton-proton and proton-antiproton scattering,
Phys. Rev. D, **76** (2007) 094014; hep-ph/07052887;
11. T. Srokowski,
Non-Markovian Levy diffusion in nonhomogeneous media,
Phys. Rev. E, **75** (2007) 051105; cond-mat/0611056;
12. A. Szczurek,
Diffractive double-elastic production of η' and η_c in the $pp \rightarrow pXp$ reaction,
Int. J. Mod. Phys. A, **22** (2007) 667; hep-ph/0608317;
13. A. Szczurek, R.S. Pasechnik, V. Teryaev,
 $pp \rightarrow pp\eta'$ reaction at high energies,
Phys. Rev. D, **75** (2007) 054021; hep-ph/0608302;
14. A. Szczurek, A. Rybarska, G. Ślipek,
Dijet correlations at RHIC, leading-order k_t -factorization approach versus next-to-leading order collinear approach,
Phys. Rev. D, **76** (2007) 034001; hep-ph/07043537;
15. A. Szczurek, A. Rybicki, A.Z. Górski,
The effect of the spectator charge on the charged pion spectra in peripheral ultrarelativistic heavy-ion collisions,
J. Phys. G Nucl. Partic., **34** (2007) S827; nucl-th/0701056;
16. M. Tichoruk, A. Szczurek,
Pion and kaon production in nucleon-nucleon collisions,
Int. J. Mod. Phys. A, **22** (2007) 582; nucl-th/0608065;

Internal Project Number 208

1. E.R. Arriola, W. Broniowski,
Dimension-2 condensates, zeta-regularization and large- N_c Regge models,
Eur. Phys. J. A, **31** (2007) 739; hep-ph/0609266;
2. E.R. Arriola, W. Broniowski, B. Golli,
Chiral solitons in spectral quark model,
Phys. Rev. D, **76** (2007) 014008;
3. B. Biedroń, W. Broniowski,
Rapidity-dependent spectra from a single-freeze-out model of relativistic heavy-ion collisions,
Phys. Rev. C, **75** (2007) 054905; nucl-th/0610083;

4. P. Bizoń, T. Chmaj, G.W. Gibbons, C.N. Pope,
Gravitational solitons and the squashed 7-sphere,
Classical Quant. Grav., **24** (2007) 4751; hep-th/0701190;
5. P. Bizoń, T. Chmaj, A. Rostworowski,
Late-time tails of a Yang-Mills field on Minkowski and Schwarzschild backgrounds,
Classical Quant. Grav., **24** (2007) F55; gr-qc/07040993;
6. P. Bizoń, T. Chmaj, A. Rostworowski,
Asymptotic stability of the Skyrmion,
Phys. Rev. D, **75** (2007) 121702; math-ph/0701037;
7. P. Bizoń, T. Chmaj, A. Rostworowski,
Anomalously small wave tails in higher dimensions,
Phys. Rev. D, **76** (2007) 124035; gr-qc/07081769;
8. W. Broniowski, E.R. Arriola,
Pion-photon transition distribution amplitudes in the spectral quark model,
Phys. Lett. B, **649** (2007) 49; hep-ph/0701243;
9. W. Broniowski, P. Bożek, M. Rybczyński,
Fluctuating initial conditions in heavy-ion collisions from the Glauber approach,
Phys. Rev. C, **76** (2007) 054905; nucl-th/07064266;
10. M. Chojnacki, W. Florkowski,
Temperature dependence of sound velocity and hydrodynamics of ultra-relativistic heavy-ion collisions,
Acta Phys. Pol. B, **38** (2007) 3249; nucl-th/0702030;
11. M. Ciafaloni, D. Colferai, G.P. Salam, A.M. Staśto,
A Matrix formulation for small- x singlet evolution,
J. High Energy Phys., **08** (2007) 046; hep-ph/07071453;
12. W. Florkowski, W. Broniowski, B. Hiller, P. Bożek,
Event-by-event fluctuations of transverse-momentum and multiparticle clusters in relativistic heavy-ion collisions,
Braz. J. Phys., **37** (2007) 711; nucl-th/0610035;
13. F. Gelis, A.M. Staśto, R. Venugopalan,
Limiting fragmentation in hadron-hadron collisions at high energies,
Eur. Phys. J. C, **48** (2007) 489; hep-ph/0605087;
14. K. Golec-Biernat, S. Jadach, W. Płaczek, S. Stephens, M. Skrzypek,
Markovian Monte Carlo solutions of the one-loop CCFM equations,
Acta Phys. Pol. B, **38** (2007) 3149; hep-ph/0703317;
15. K. Golec-Biernat, A. Łuszczak,
Diffraction parton distributions from the analysis with higher twist,
Phys. Rev. D, **76** (2007) 114014; hep-ph/07041608;
16. R. Kamiński, L. Leśniak, B. Loiseau,
 $\pi\pi$ scattering amplitudes constrained by Roy's equations,
Nucl. Phys. B-Proc. Sup., **164** (2007) 89;
17. L. Leśniak, R. Kamiński, B. El-Bennich, B. Loiseau, A. Furman,
Final state interactions in $B \rightarrow \pi\pi K$ and $B \rightarrow KKK$ decays,
Int. J. Mod. Phys. A, **22** (2007) 645;
18. B. Loiseau, B. El-Bennich, F. Furman, R. Kamiński, L. Leśniak,
Strong and weak interactions in $B \rightarrow \pi^+ \pi^- K$ decays,
Nucl. Phys. A, **790** (2007) 472c; hep-ph/0610355;
19. A. Łuszczak,
Diffraction structure function F_L^D from the analysis with higher twist,
Acta Phys. Pol. B, **38** (2007) 2331;

20. A.M. Staśto,
Limiting fragmentation in hadronic collisions,
Acta Phys. Pol. B, **38** (2007) 1031;
21. A.M. Staśto,
Pomeron-graviton duality,
Acta Phys. Pol. B, **38** (2007) 3795; hep-ph/08010437;
22. A.M. Staśto,
Pomeron in the weak and strong coupling limits and kinematical constraints,
Phys. Rev. D, **75** (2007) 054023; hep-ph/0702195;
23. B. Ziaja, E. Weckert, T. Möller,
Statistical model of radiation damage within an atomic cluster irradiated by photons from free-electron-laser,
Laser Part. Beams, **25** (2007) 407;
24. P. Żenczykowski,
Space, phase space and quantum numbers of elementary particles,
Acta Phys. Pol. B, **38** (2007) 2053;
25. P. Żenczykowski,
Structure of quark-lepton generation and generalised canonical commutation relations,
Acta Phys. Pol. B, **38** (2007) 2631;
26. P. Żenczykowski,
Radiative and nonleptonic hyperon decays in broken SU(3),
Nucl. Phys. B-Proc. Sup., **167** (2007) 102; hep-ph/0610191;

Internal Project Number 301

1. G. Bator, (J. Krawczyk, M. Nowina-Konopka, I. Natkaniec) et al.,
Inelastic and quasielastic neutron scattering and IR and R spectroscopic studies of 1,2,4,5-tetracyanobenzene(TCNB)-1,2,4,5-tetramethylbenzene (durene) complex,
Phase Transit., **80** (2007) 489;
2. M. Gałązka, P. Zieliński, P. Szklarz, G. Bator,
On the ratio of Curie-Weiss constants in ferroelectrics undergoing second order phase transitions,
Phase Transit., **80** (2007) 745;
3. K. Jagielska, D. Trzupek, M. Lepers, A. Pelc, P. Zieliński,
Effect of surrounding tissue on propagation of axisymmetric waves in arteries,
Phys. Rev. E, **76** (2007) 066304;
4. J.A. Janik,
Reflections on the Is: Physics penetrates ontology,
Acta Phys. Pol. A, **112** (2007) S189;
5. A.I. Kolesnikov, V.E. Antonov, Yu.E. Markushin, I. Natkaniec, M.K. Sakharov,
Lattice dynamics of α -AlH₃ and α -AlD₃ by inelastic neutron scattering: High-energy band of optical bond-stretching vibrations,
Phys. Rev. B, **76** (2007) 064302;
6. L. Kolwicz-Chodak, (A.W. Pacyna) et al.,
Magnetic properties of TbMn₂(H,D)_x,
J. Alloys Compd., **442** (2007) 365;
7. J. Krok-Kowalski, (A.W. Pacyna) et al.,
Nonlinear magnetic susceptibility and the spin glass state in the new nonstoichiometric spinel compounds Cu_{1+x}Cr_{1.5+y}Sb_{0.5+z}Se_{4+t},
J. Alloys Compd., **430** (2007) 39;

8. J. Krok-Kowalski, (A.W. Pacyna) et al.,
Spin glass state and its correlations with the magnetic and electrical properties as well as with the defectiveness in the spinels CuCr_2X_4 ($\text{X}=\text{S}, \text{Se}$) doped with Sb,
J. Alloys Compd., **430** (2007) 47;
9. K. Łątka, M. Rams, R. Kmiec, A.W. Pacyna, V.I. Zaremba, U.Ch. Rodewald, R. Pöttgen,
Structure and properties of $\text{Gd}_4\text{Pd}_{10}\text{In}_{21}$,
Solid State Sci., **9** (2007) 173;
10. Z. Łodziana,
Surface verwey transition in magnetite,
Phys. Rev. Lett., **99** (2007) 206402;
11. J.P. Maehlen, V.A. Yartys, A.B. Riabov, A. Budziak, H. Figiel, J. Żurkowski,
Synchrotron X-ray diffraction study of ErMn_2D_2 ,
J. Alloys Compd., **437** (2007) 140;
12. M. Massalska-Arodz, J. Krawczyk, B. Procyk, F. Kremer,
Dielectric relaxation studies of 4-(2-hexyloxyethoxy)4'-cyanobiphenyl (6O2OCB) enclosed in SiO_2 nanopores,
Phase Transit., **80** (2007) 687;
13. A. Migdał-Mikuli, K. Hołderna-Natkaniec, E. Mikuli, Ł. Hetmańczyk, I. Natkaniec,
Phase transitions and NH_3 motions in $[\text{Zn}(\text{NH}_3)_4](\text{ClO}_4)_2$ studied by incoherent neutron scattering and ^1H NMR methods,
Chem. Phys., **335** (2007) 187;
14. A. Pawlukojć, W. Starosta, J. Leciejewicz, I. Natkaniec, D. Nowak,
The molecular structure and dynamics of 2-aminopyridine-3-carboxylic acid by X-ray diffraction at 100 K, inelastic neutron scattering, infrared, Raman spectroscopy and from first principles calculations,
Chem. Phys. Lett., **437** (2007) 32;
15. R. Pełka, K. Saito,
Perturbative approach to the structure of a planar interface in the Landau-de Gennes model,
Phys. Rev. E, **74** (2007) 041705;
16. R. Podgajny, (M. Bałanda, P. Tracz, D. Zając, T. Wasiutyński) et al.,
Exploring the formation of 3D ferromagnetic cyano-bridged $\text{Cu}^{\text{II}}_{2+x}\{\text{Cu}^{\text{II}}_4[\text{W}^{\text{V}}(\text{CN})_8]_4\}_{2x} \cdot y\text{H}_2\text{O}$ networks,
J. Mater. Chem., **17** (2007) 3308;
17. M. Prager, (I. Natkaniec) et al.,
Methyl group rotation and whole molecule dynamics in methyl bromide hydrate,
Phase Transit., **80** (2007) 473;
18. F.L. Pratt, P.M. Zieliński, M. Bałanda, R. Podgajny, T. Wasiutyński, B. Sieklucka,
A μSR study of magnetic ordering and metamagnetism in a bilayered molecular magnet,
J. Phys.-Condens. Mat., **19** (2007) 456208;
19. P. Przychodzień, R. Pełka, K. Lewiński, J. Supel, M. Rams, K. Tomala, B. Sieklucka,
Tuning of magnetic properties of polynuclear lanthanide(III)-octacyanotungstate(V) systems: determination of ligand-field parameters and exchange interaction,
Inorg. Chem., **46** (2007) 8924;
20. Yu. Verbovytsky, K. Łątka, A.W. Pacyna,
The crystal structure of the new Gd_5CoSb_2 , Gd_5NiSb_2 and $\text{Gd}_5\text{Au}_2\text{Sb}$ ternary phases,
J. Alloys Compd., **442** (2007) 337;
21. Yu. Verbovytsky, K. Łątka, A.W. Pacyna, K. Tomala,
The crystal structure and magnetic properties of the $\text{GdCr}_x\text{Al}_{12-x}$ ($x= 3.5$ and 4.0) intermetallics,
J. Alloys Compd., **438** (2007) L12;

22. W. Witko, A.M. Padoł, P.M. Zieliński,
Multiple melting phenomena in low mass mesogenic compound,
Phase Transit., **80** (2007) 717;
23. W. Zając, B.J. Gabryś,
Immiscibility-miscibility transition in lithium-sulphonated polystyrene/polycarbonate blends as seen by small-angle neutron scattering,
Phase Transit., **80** (2007) 501;
24. P.M. Zieliński, P. Tracz, R. Podgajny, R. Pełka, M. Bałanda, T. Wasiutyński, B. Sieklucka,
Photo-induced relaxation of magnetization in molecular magnet,
Acta Phys. Pol. A, **112** (2007) S183;

Internal Project Number 302

1. E. Dryzek, J. Dryzek,
Measurement of subsurface zone in UHMWPE after sliding against stainless steel using the new experimental method DSIP,
Radiat. Phys. Chem., **76** (2007) 157;
2. J. Dryzek,
Test of the second postulate of special relativity using positron annihilation,
Am. J. Phys., **75** (2007) 713;
3. J. Dryzek, E. Dryzek,
The subsurface zone in magnesium alloy studied by positron annihilation techniques,
Tribol. Int., **40** (2007) 1360;
4. J. Dryzek, J. Sieracki,
New formula for description of positron implantation profile in condensed matter,
Nucl. Instr. Meth. B, **258** (2007) 493;
5. J. Dryzek, T. Suzuki, R. Yu,
Detection of the positron annihilation in flight process in condensed matter,
Radiat. Phys. Chem., **76** (2007) 297;

Internal Project Number 303

1. D. Jürgens, M. Uhrmacher, H. Hofsäss, J. Röder, P. Wodniecki, A. Kulińska, M. Barsoum,
First PAC experiments in MAX-phases,
Hyperfine Interact., **178** (2007) 23;
2. A. Kulińska, P. Wodniecki,
Martensitic transformation in TiPd shape memory alloys studied by PAC method with ¹⁸¹Ta probes,
Intermetallics, **15** (2007) 1190;
3. P. Wodniecki, A. Kulińska, B. Wodniecka,
Time-differential perturbed angular correlation study of the electric field gradient in Ti₂Rh MoSi₂-type compound,
Hyperfine Interact., **177** (2007) 97;
4. P. Wodniecki, A. Kulińska, B. Wodniecka, S. Cottenier, H.M. Petrilli, M. Uhrmacher, K.P. Lieb,
Structural characterization of the Zr₄Al₃ and Hf₄Al₃ compounds by means of hyperfine interaction studies,
Europhys. Lett., **77** (2007) 43001;
5. P. Wodniecki, A. Kulińska, B. Wodniecka, M. Uhrmacher, K.P. Lieb,
Solution of ¹¹¹In impurities in the Hf(Zr)₃Al₂ minority phases of Hf(Zr)₄Al₃ samples,
Hyperfine Interact., **177** (2007) 111;

Internal Project Number 304

1. A. Birczyński, M. Punkkinen, A.M. Szymocha, Z.T. Lalowicz, *Translation and reorientation of CD₄ molecules in nanoscale cages of zeolites as studied by deuteron spin-lattice relaxation*, J. Chem. Phys., **127** (2007) 204714;
2. M. Krzystyniak, C.A. Chatzidimitriou-Dreismann, M. Lerch, Z.T. Lalowicz, A. Szymocha, *Anomalous neutron Compton scattering cross sections in ammonium hexachlorometallates*, J. Chem. Phys., **126** (2007) 124501;
3. R. Rachwalik, Z. Olejniczak, J. Jiao, J. Huang, M. Hunger, B. Sulikowski, *Isomerization of α -pinene over dealuminated ferrierite-type zeolites*, J. Catal., **252** (2007) 161;
4. K. Wojtach, M. Łączka, K. Cholewa-Kowalska, Z. Olejniczak, J. Sokołowska, *Characteristics of coloured inorganic-organic hybrid materials*, J. Non-Cryst. Solids, **353** (2007) 2099;

Internal Project Number 305

1. S.A. Borisov, (P. Piekarz) et al., *Investigation into the evolution of the structure of $K_{1-x}Li_xTa_{1-y}Nb_yO_3$* , Crystallogr. Rep., **52** (2007) 440;
2. Ł. Gondek, A. Szytuła, D. Kaczorowski, A. Szewczyk, M. Gutowska, P. Piekarz, *Multiple magnetic phase transitions in $Tb_3Cu_4Si_4$* , J. Phys.-Condens. Mat., **19** (2007) 246225;
3. J. Łażewski, J. Korecki, K. Parliński, *Phonons of (100) and (110) iron surfaces from first-principles calculations*, Phys. Rev. B, **75** (2007) 054303;
4. J. Łażewski, P. Piekarz, A.M. Oleś, J. Korecki, K. Parliński, *Magnetically induced dynamical stability of a Fe monolayer on W(110)*, Phys. Rev. B, **76** (2007) 205427;
5. H. Neumann, J. Łażewski, P.T. Jochym, K. Parliński, *Ab initio heat capacity and atomic temperature factors of chalcopyrites*, Phys. Rev. B, **75** (2007) 224301;
6. P. Piekarz, A.M. Oleś, K. Parliński, *Correlation effects in $PuCoGa_5$ superconductor*, Physica C, **460** (2007) 655;
7. P. Piekarz, K. Parliński, A.M. Oleś, *Origin of the Verwey transition in magnetite: Group theory, electronic structure, and lattice dynamics study*, Phys. Rev. B, **76** (2007) 165124;
8. S. Raymond, (P. Piekarz, P.T. Jochym, A.M. Oleś, K. Parliński) et al., *Probing the Coulomb interaction of $PuCoGa_5$ by phonon spectroscopy*, J. Alloys Compd., **444** (2007) 104;
9. S. Stankov, (J. Łażewski, K. Parliński) et al., *Phonons in iron: From the bulk to an epitaxial monolayer*, Phys. Rev. Lett., **99** (2007) 185501;
10. M. Sternik, K. Parliński, *First-principles studies of the interlayer exchange coupling in fine-layered Fe/Au multilayers*, Phys. Rev. B, **75** (2007) 212406;

11. T. Ślęzak, (J. Łażewski, K. Parliński) et al.,
Phonons at the Fe(110) surface,
Phys. Rev. Lett., **99** (2007) 066103;

Internal Project Number 401

1. A. Avdeenkov, F. Gruemmer, S. Kamerdzhev, S. Krewald, N. Lyutorovich, J. Speth,
Self-consistent calculations within the Extended Theory of Finite Fermi Systems,
Phys. Lett. B, **653** (2007) 196;
2. S. Drożdż, M. Forczek, J. Kwapien, P. Oświęcimka, R. Rak,
Stock market return distributions: From past to present,
Physica A, **383** (2007) 59;
3. S. Drożdż, A.Z. Górski, J. Kwapien,
World currency exchange rate cross-correlations,
Eur. Phys. J. B, **58** (2007) 499;
4. S. Drożdż, J. Kwapien, P. Oświęcimka,
Empirics versus RMT in financial cross-correlations,
Acta Phys. Pol. B, **38** (2007) 4027;
5. R. Rak, S. Drożdż, J. Kwapien,
Nonextensive statistical features of the Polish stock market fluctuations,
Physica A, **374** (2007) 315; physics/0603071;
6. V. Tselyaev, J. Speth, F. Gruemmer, S. Krewald, A. Avdeenkov, E. Litvinova, G. Tertychny,
Extended Theory of Finite Fermi Systems: Application to the collective and non-collective E1 strength in ^{208}Pb ,
Phys. Rev. C, **75** (2007) 014315;

Internal Project Number 402

1. S. Bartalucci, V. Angelov, K. Drozdowicz, D. Dworak, G. Tracz,
Conceptual design of an intense neutron source for time-of-flight measurements,
Nucl. Instr. Meth. A, **575** (2007) 287;
2. T. Cywicka-Jakiel,
Progress in numerical modelling of the Cl influence on γ -ray spectra from an n-gamma logging tool, by using the improved ENDF data for radiative capture,
Appl. Rad. Isotopes, **65** (2007) 731;
3. T. Cywicka-Jakiel, T. Zorski,
Improvement of the MCNP simulated n-gamma spectrometer response function using the new ENDF/B-VI evaluations for thermal neutron capture,
Nucl. Instr. Meth. A, **580** (2007) 94;
4. K. Drozdowicz, E. Krynicka, J. Dąbrowska,
Thermal neutron diffusion cooling in wet quartz (Monte Carlo simulations of the pulsed neutron experiments),
Appl. Rad. Isotopes, **65** (2007) 877;
5. U. Wiącek, E. Krynicka, K. Drozdowicz, B. Gabańska,
Questions of modeling the non-stationary thermal neutron transport in two-zone systems with Plexiglas by means of the MCNP code,
Nucl. Instr. Meth. A, **580** (2007) 369;

Internal Project Number 404

1. K. Wilczek, B. Petelenz, A. Strzała, B. Marczevska, M. Traczyk, L. Poloński, *Dose perturbation caused by stents: Experiments with a model Sr-90/Y-90 source*, *Cardiovasc. Int. Radiology*, **30** (2007) 981;
2. P. Zagrodzki, et al., *Selenium status indices, laboratory data, and selected biochemical parameters in end-stage renal disease patients*, *Biol. Trace Elem. Res.*, **116** (2007) 29;
3. P. Zagrodzki, et al., *High fructose model of oxidative stress and metabolic disturbances in rats. Part I. Antioxidant status of rats' tissues*, *Bull. Vet. Inst. Pulawy*, **51** (2007) 407;
4. P. Zagrodzki, L. Dębecki, A. Radkowski, H. Bartoń, M. Fołta, E. Wójcik, J. Kulpa, *Association of occupational exposure to chromium with tumour markers, and selected biochemical parameters*, *Pol. J. Environ. Stud.*, **16** (2007) 275;
5. P. Zagrodzki, R. Ratajczak, R. Wietecha-Posłuszny, *The interaction between selenium status, sex hormones, and thyroid metabolism in adolescent girls in the luteal phase of their menstrual cycle*, *Biol. Trace Elem. Res.*, **120** (2007) 51;

Internal Project Number 405

1. P. Boffetta, (A. Cebulska-Wasilewska) et al., *Chromosomal aberrations and cancer risk: Results of a cohort study from central Europe*, *Am. J. Epidemiol.*, **165** (2007) 36;
2. A. Cebulska-Wasilewska, B. Binkova, R.J. Sram, I. Kalina, T. Popov, P.B. Farmer, *Repair competence assay in studies of the influence of environmental exposure to c-PAHs on individual susceptibility to induction of DNA damage*, *Mutat. Res.-Fund. Mol. M.*, **620** (2007) 155;
3. A. Cebulska-Wasilewska, (I. Pawłyk, A. Panek, A. Wiecheć) et al., *Exposure to environmental polycyclic aromatic hydrocarbons: Influences on cellular susceptibility to DNA damage (sampling Košice and Sofia)*, *Mutat. Res.-Fund. Mol. M.*, **620** (2007) 145;

Internal Project Number 406

1. K. Majcher, B. Tomanek, U.I. Tuor, A. Jasiński, T. Foniok, D. Rushforth, G. Hess, *Functional magnetic resonance imaging within the rat spinal cord following peripheral nerve injury*, *Neuroimage*, **38** (2007) 669;
2. L. Minati, W.P. Węglarz, *Physical foundations, models, and methods of diffusion magnetic resonance imaging of the brain: A review*, *Concepts Magn. Reson. A*, **30** (2007) 278;
3. M. Tanasiewicz, W.P. Węglarz, T.W. Kupka, A. Jasiński, *Application of magnetic resonance imaging in dentistry to caries lesion detection and 3D visualization as an alternative non-invasive diagnostic method*, *Pol. J. Environ. Stud.*, **16** (2007) 169;
4. J.A. Żołądź, P. Kulinowski, J. Zapart-Bukowska, M. Grandys, J. Majerczak, B. Korzeniowski, A. Jasiński, *Phosphorylation potential in the dominant leg is lower and [ADP_{FREE}] is higher in calf muscles*

at rest in endurance athletes than in sprinters and in untrained subjects,
J. Physiol. Pharmacol., **58** (2007) 803;

Internal Project Number 407

1. K. Banaś, A. Jasiński, A.M. Banaś, M. Gajda, G. Dyduch, B. Pawlicki, W.M. Kwiatek, *Application of linear discriminant analysis in prostate cancer research by synchrotron radiation-induced X-ray emission,* Anal. Chem., **79** (2007) 6670;
2. K. Burda, *Dynamics of electron transfer in photosystem II,* Cell Biochem. Biophys., **47** (2007) 271;
3. J. Gołąb, (M. Lekka) et al., *Statins impair antitumor effects of CD20 mAb by inducing conformational changes of CD20,* Blood, **110** (2007) 2341;
4. W.M. Kwiatek, (A. Banaś, M. Podgórczyk) et al., *Micro and bulk analysis of prostate tissues classified as hyperplasia,* Spectrochim. Acta B, **62** (2007) 707;
5. K. Lebed, A.J. Kulik, L. Forro, M. Lekka, *Atomic force microscopy and quartz crystal microbalance study of the lectin-carbohydrate interaction kinetics,* Acta Phys. Pol. A, **111** (2007) 273;
6. J. Lekki, (Z. Stachura) et al., *On the follicular pathway of percutaneous uptake of nanoparticles: ion microscopy and autoradiography studies,* Nucl. Instr. Meth. B, **260** (2007) 174;
7. P. Osyczka, E.M. Dutkiewicz, M. Olech, *Trace elements concentrations in selected moss and lichen species collected within Antarctic research stations,* Pol. J. Ecol., **55** (2007) 39;
8. C. Paluszkiwicz, W.M. Kwiatek, A. Banaś, A. Kisiel, A. Marcelli, M. Piccini, *SR-FTIR spectroscopic preliminary findings of non-cancerous, cancerous and hyperplastic human prostate tissues,* Vib. Spectrosc., **43** (2007) 237;
9. R. Ugenskiene, (J. Lekki, W. Polak, O. Veselov, Z. Stachura, W.M. Kwiatek) et al., *Double strand breaks formation as a response to X-ray and targeted proton-irradiation,* Nucl. Instr. Meth. B, **260** (2007) 159; Proc. of the 10th Int. Conf. on Nuclear Microprobe Technology and Applications, 75-ICNMTA-A0029, Singapore, 9-14 July 2006, p. 161;
10. O. Veselov, W. Polak, R. Ugenskiene, K. Lebed, J. Lekki, Z. Stachura, J. Styczeń, *Development of the IFJ single ion hit facility for cells irradiation,* Radiat. Prot. Dosim., **122** (2007) 316;
11. B. Vileno, (M. Lekka, G. Stoessel, J. Lekki, Z. Stachura) et al., *Stiffness alterations of single cells induced by UV in the presence of nanoTiO₂,* Environ. Sci. Technol., **41** (2007) 5149;

Internal Project Number 408

1. J. Rosiek, J. Lasa, I. Śliwka, K. Różański, *Application of GC and modulated ECD for the determination of SF₅CF₃ mixing ratios in the atmosphere,* Chem. Anal.-Warsaw, **52** (2007) 235;

Internal Project Number 409

1. B. Kubica, (W.M. Kwiatek, M. Stobiński, M. Tuteja-Krysa, R. Misiak) et al.,
Concentrations of ^{137}Cs , ^{40}K radionuclides and some heavy metals in soil samples of Chochołowska Valley from Tatra National Park,
Pol. J. Environ. Stud., **16** (2007) 723;
2. Z.S. Žunic, (K. Kozak, E. Kochowska, J. Mazur, M. Janik, P. Olko) et al.,
A campaign of discrete radon concentration measurements in soil of Niška Banja town, Serbia,
Radiat. Meas., **42** (2007) 1696;

Internal Project Number 410

1. P. Bilski, et al.,
The problems associated with the monitoring of complex workplace radiation fields at european high-energy accelerators and thermonuclear fusion facilities,
Radiat. Prot. Dosim., **126** (2007) 491;
2. P. Bilski, P. Olko, M. Puchalska, B. Obryk, M.P.R. Waligórski, J.L. Kim,
High-dose characterization of different LiF phosphors,
Radiat. Meas., **42** (2007) 582;
3. M. Budzanowski, P. Bilski, P. Olko, E. Ryba, S. Perle, M. Majewski,
Dosimetric properties of new cards with high-sensitivity MCP-N(Li:Mg,Cu,P) detectors for Harshaw automatic reader,
Radiat. Prot. Dosim., **125** (2007) 251;
4. M. Budzanowski, P. Olko, R. Kopeć, B. Obryk, H. Dzikiewicz-Sapiecha, R. Siwicki,
Identification of static exposure of standard dosimetric badge with thermoluminescent detectors,
Radiat. Prot. Dosim., **125** (2007) 213;
5. Ł. Czopyk, (M. Kłosowski, P. Olko, J. Swakoń, M.P.R. Waligórski) et al.,
Two-dimensional dosimetry of radiotherapeutical proton beams using thermoluminescence foils,
Radiat. Prot. Dosim., **126** (2007) 185;
6. R. Kopeć, M. Budzanowski, B. Obryk, P. Olko,
A model for distinguishing between static and dynamic exposure of personal thermoluminescence dosimeters,
Radiat. Meas., **42** (2007) 609;
7. J. Krása, Ł. Czopyk, M. Kłosowski, B. Marczevska, P. Olko, L. Juha,
Polymer-LiF: Mg, Cu, P foil as thermoluminescent detector of low-energy X-rays,
Radiat. Meas., **42** (2007) 1600;
8. J. Krása, B. Marczevska, V. Vorlicěk, P. Olko, L. Juha,
Comparative study of thermoluminescent responses of diverse CVD diamonds,
Diam. Relat. Mater., **16** (2007) 1510;
9. M.A. Lopez, C.M. Castellani, L. Currivan, J. van Dijk, R. Falk, P. Olko, C. Wemli,
State-of-the-art dosimetric methods for internal and external exposures: conclusions of EURADOS action,
Radiat. Prot. Dosim., **125** (2007) 41;
10. B. Marczevska, I. Kupriyanov, Yu. Pal'yanov, T. Nowak, P. Olko, M. Rebisz, M.P.R. Waligórski,
A study of radiation dosimeters based on synthetic HPHT diamond,
Diam. Relat. Mater., **16** (2007) 191;
11. B. Marczevska, D. Tromson, C. Descamps, P. Bilski, F. Schirru, T. Nowak, A. Bogus,
Thermoluminescent properties of CVD diamonds for radiation protection and radiotherapy

- applications*,
Phys. Status Solidi A, **204** (2007) 3036;
12. M. Ptaszkiewicz,
Long-term fading of LiF: Mg, Cu, P and LiF: Mg, Ti thermoluminescence detectors with standard and modified activator composition,
Radiat. Meas., **42** (2007) 605;
 13. M. Puchalska, P. Bilski, P. Olko,
Thermoluminescence glow peak parameters for LiF: Mg, Ti with modified activator concentration,
Radiat. Meas., **42** (2007) 601;
 14. F. Schirru, B. Marczewska, A. Tallaire, J. Achard, T. Nowak, P. Ko,
Dosimetric properties of thick single CVD crystal diamonds,
Phys. Status Solidi A, **204** (2007) 3030;
 15. M. Waligórski, (P. Olko) et al.,
Advanced techniques for dosimetry of high-precision radiation therapy - point of view from the clinics,
Strahlenther. Onkol., **183 Suppl.** (2007) 153;
 16. Z.S. Žunic, (B. Obryk, M. Budzanowski, P. Olko, M.P.R. Waligórski) et al.,
Radon survey in the high natural radiation region of Niška Banja, Serbia,
J. Environ. Radioactiv., **92** (2007) 165;

Internal Project Number 411

1. M. Marszałek, A. Polit, V. Tokman, Y. Zabala, I. Protsenko,
The effect of surfactants on the growth of Co/Cu multilayers,
Surf. Sci., **601** (2007) 4454;
2. A. Polit, M. Kaç, Y. Zabala, M. Marszałek,
The behaviour of surfactants during the growth of Co/Cu multilayers,
Acta Phys. Pol. A, **112** (2007) 1281;

Internal Project Number 412

1. J. Baszkiewicz, D. Krupa, B. Rajchel, J.A. Kozubowski, A. Barcz, J.W. Sobczak, A. Kosiński,
Effect of sodium-ion implantation on the properties of the surface layers formed on CoCrMo alloy (Endocast SL),
Vacuum, **81** (2007) 1306;
2. J. Gurgul, M. Rams, Ż. Świątkowska, R. Kmiec, K. Tomala,
Bulk magnetic measurements and ⁹⁹Ru and ¹⁵⁵Gd Mössbauer spectroscopies of Gd₂Ru₂O₇,
Phys. Rev. B, **75** (2007) 064426;
3. K. Kawaguchi, J. Jaworski, Y. Ishikawa, T. Sasaki, N. Koshizaki,
Preparation of gold/iron-oxide composite nanoparticles by a unique laser process in water,
J. Magn. Magn. Mater., **310** (2007) 2369;
4. D. Krupa, J. Baszkiewicz, B. Rajchel, A. Barcz, J.W. Sobczak, A. Biliński, T. Borowski,
Effect of calcium-ion implantation on the corrosion resistance and bioactivity of the Ti6Al4V alloy,
Vacuum, **81** (2007) 1310;

Internal Project Number 501

1. R. Taraszkieicz, M. Tałach, J. Sulikowski, H. Doruch, T. Norys, A. Sroka, I.N. Kiyan, *Simulation of operation modes of isochronous cyclotron by a new interactive method*, Nukleonika, **52** (2007) 29;

Internal Project Number 504

1. Yu.B. Gurov, K.N. Gusev, S.L. Katulina, V.G. Sandukovsky, D. Borowicz, J. Jurkowski, *Segmented high-purity germanium detectors*, Instrum. Exp. Tech., **50** (2007) 757;

Articles in Other Leading Journals

Internal Project Number 102

1. S. Bültmann, (J. Chwastowski, B. Pawlik) et al.,
The first measurement of the elastic pp-scattering spin parameters at $\sqrt{s}=200$ GeV,
AIP Conf. Proc., **915** (2007) 677;
2. ZEUS Collab., S. Chekanov, (J. Chwastowski, A. Eskreys, J. Figiel, A. Galas, M. Gil, K. Olkiewicz, P. Stopa, L. Zawiejski) et al.,
Exclusive ρ^0 production in deep inelastic scattering at HERA,
PMC Phys. A, **1** (2007) 6; hep-ex/07081478;

Internal Project Number 104

1. T. Lesiak,
Charmed baryon spectroscopy with Belle,
AIP Conf. Proc., **892** (2007) 330; Proc. of the Conf. on Quark Confinement and the Hadron Spectrum VII, Ponta Delgada, Portugal, 2-7 September 2006,;

Internal Project Number 107

1. F. Anghinolfi, (W. Iwański) et al.,
Hadron beam test of a scintillating fibre tracker system for elastic scattering and luminosity measurement in ATLAS,
J. Instr., **2** (2007) P07004; physics.ins-det/07063316;
2. S. Klous (K. Korcyl) et al.,
ATLAS remote online farms,
Proc. Science, (2007) 021; ACAT;

Internal Project Number 111

1. A. Odrzywółek, M. Misiaczek, M. Kutschera,
Future neutrino observations of nearby pre-supernova stars before core-collapse,
AIP Conf. Proc., **944** (2007) 109;

Internal Project Number 201

1. G.M.Ter-Akopian, (R. Wolski) et al.,
Neutron excess nuclei of hydrogen and helium at ACCULINNA,
Eur. Phys. J Special Topics, **150** (2007) 61;
2. M. Caamano, (R. Wolski) et al.,
The search for H-7,
Eur. Phys. J Special Topics, **150** (2007) 9;
3. M.S. Golovkov, (R. Wolski) et al.,
Properties of low-lying He-9 state,
Eur. Phys. J Special Topics, **150** (2007) 23;
4. Y. Teterev, A. Budzanowski, G. Kamiński, E. Kozik, S. Myalski, J. Sedykh, P.T. Huong,
New system of routine control of beam profile for the separator COMBAS,
AIP Conf. Proc., **912** (2007) 468;

Internal Project Number 202

1. S.N. Liddick, (W. Królas) et al.,
Identification of the ^{109}Xe and ^{105}Te α -decay chain,
Eur. Phys. J Special Topics, **150** (2007) 131;
2. Zs. Podolyak, (P. Bednarczyk, J. Grębosz, M. Kmiecik, A. Maj) et al.,
Isomeric decay studies around ^{204}Pt and ^{148}Tb ,
Eur. Phys. J Special Topics, **150** (2007) 165;
3. P.H. Regan, (P. Bednarczyk, J. Grębosz, A. Maj, S. Myalski) et al.,
First results from the stopped RISING campaign at GSI: The mapping of isomeric decays in highly exotic nuclei,
AIP Conf. Proc., **899** (2007) 19;
4. D. Rudolph, (P. Bednarczyk, W. Prokopowicz, M. Kmiecik, A. Maj, S. Myalski) et al.,
Exciting isomers from the first stopped-beam RISING campaign,
Eur. Phys. J Special Topics, **150** (2007) 173;

Internal Project Number 204

1. K. Grebieszkow for the NA49 Collab., (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Event-by-event transverse momentum fluctuations in nuclear collisions at CERN SPS,
Proc. Science, **CPOD07** (2007) 022; nucl-ex/07074608, (2007);
2. B. Lungwitz for the NA49 Collab., (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Energy, rapidity and transverse momentum dependence of multiplicity fluctuations in heavy ion collisions at CERN SPS,
Proc. Science, **CPOD07** (2007) 023; nucl-ex/07091646;
3. G. Melkumov for the NA49 Collab., (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Recent results on (anti)nucleus and (anti)hyperon production in nucleus-nucleus collisions at CERN SPS energies,
Proc. Science, **CPOD07** (2007) 024; nucl-ex/07093030;

Internal Project Number 205

1. E. Garcia, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Recent results from Phobos,
AIP Conf. Proc., **884** (2007) 396;

Internal Project Number 207

1. A. Szczurek,
 η' production in proton-proton collisions far from the threshold,
AIP Conf. Proc., **950** (2007) 131; nucl-th/07090210;

Internal Project Number 302

1. J. Dryzek,
Experimental studies of beta positron implantation profiles in condensed matter,
Phys. Status Solidi C, **4** (2007) 3961;

2. J. Dryzek, H. Schut, E. Dryzek,
Subsurface zones in magnesium detected by variable energy positron beam,
Phys. Status Solidi C, **4** (2007) 3522;

Internal Project Number 304

1. K. Cholewa-Kowalska, K. Wojtach, Z. Olejniczak, M. Łączka,
Coloured inorganic-organic films on glass,
Phys. Status Solidi C, **4** (2007) 1130;
2. A. Nikiel, (Z. Olejniczak) et al.,
Metastability exchange optical pumping of ^3He at high pressure and high magnetic field for medical applications,
Eur. Phys. J Special Topics, **144** (2007) 255;
3. K. Suchanek, (Z. Olejniczak) et al.,
Optical measurement of the ^3He nuclear polarization for metastable exchange optical pumping studies at high magnetic field,
Eur. Phys. J Special Topics, **144** (2007) 67;

Internal Project Number 305

1. K. Parliński,
First-principle lattice dynamics and thermodynamics of crystals,
J. Phys. Conf. Ser., **92** (2007) 012009;
2. P. Piekarczyk, K. Parliński, A.M. Oleś,
Order parameters in the Verwey phase transition,
J. Phys. Conf. Ser., **92** (2007) 012164;

Internal Project Number 406

1. P. Dorożyński, P. Kulinowski, R. R. Jachowicz, A. Jasiński,
Development of a system for simultaneous dissolution studies and magnetic resonance imaging of water transport in hydrodynamically balanced systems: A technical note,
AAPS PharmSciTech, **8** (2007) E1;
2. M. Tanasiewicz, W. Węglarz,
Range and history of the medical and dental application of Magnetic Resonance Imaging (in Polish),
Stomatologia Współczesna, **14** (2007) 32;

Internal Project Number 407

1. C. Brandau, (Z. Stachura) et al.,
Photorecombination studies of highly charged ions at the storage ring ESR: a progress report,
J. Phys. Conf. Ser., **58** (2007) 81;
2. M. Cholewa, (W. Polak, J. Lekki, Z. Stachura) et al.,
Development of highly efficient and high speed x-ray detectors using modern nanomaterials,
AIP Conf. Proc., **879** (2007) 1097;
3. J. Lekki, M.A. Kusiak,
Monazite dating using micro-pixe,
Min. Polon., **30** (2007) 85;

Internal Project Number 411

1. S.Z. Kać, M. Kać, A.E. Radziszewska,
Al-Cu-Fe thin films deposited by PLD technique,
Proc. SPIE, **6598** (2007) 65980A; Laser Technology VIII: Applications of Lasers, 23 January
2007, eds W. Woliński, et al.;

Internal Project Number 501

1. E. Bakewicz, T. Norys, R. Taraszkiewicz, L. Włodek,
Cracow's cyclotrons (in Polish),
Postępy Fizyki, **58** (2007) 26;

Internal Project Number 505

1. J. Michałowski, D. Mikociak, S. Błażewicz,
Microstructure of C-C composites obtained by using P-CVI method (in Polish),
Karbo, **4** (2007) 191;

Articles in Other Polish Journals

Internal Project Number 111

1. Ł. Bratek,
Comment on: Motion of an electron in the field of a binomial potential of a proton,
Concepts Phys., **IV** (2007) 567;
2. Ł. Bratek,
Is universe with dark matter but without dark energy possible? (in Polish) ,
PAU, Prace Komisji Astrofizyki, **11** (2007) 97;
3. Ł. Bratek, J. Jałocha, M. Kutschera,
Relativistic model of spiral galaxies and dark matter problem (in Polish) ,
PAU, Prace Komisji Astrofizyki, **11** (2007) 79;

Internal Project Number 112

1. A. Horzela,
Comment on: Dirac formulation of free open string,
Concepts Phys., **IV** (2007) 505;

Internal Project Number 301

1. J. Janik,
More on the Cause-Effect sequence,
Concepts Phys., **IV** (2007) 303;

Internal Project Number 404

1. P. Zagrodzki,
Determination of selenium in diagnostic samples - review of methods (in Polish),
Diagn. Lab., **43** (2007) 365;

Internal Project Number 409

1. M. Janik, K. Kozak, J. Mazur, R. Haber,
Radon in buildings - Sources and ways of protection (in Polish),
Builder, (2007) 76;

Internal Project Number 501

1. E. Bakewicz, T. Norys, R. Taraszkiewicz, L. Włodek,
Cracow's cyclotrons (in Polish),
Postępy Fizyki, **58** (2007) 26;

Internal Project Number 503

1. A. Cepiga, M. Schramm, M. Puchalska, M. Budzanowski,
Quality control for the dental X-Ray equipment (in Polish),
Nowy Gabinet Stomatologiczny, **5** (2007) 38;

Chapters in Monographs

Internal Project Number 110

1. J. Wawrzycki,
Noncommutative spacetime and quantum mechanics,
Frontiers in General Relativity and Quantum Cosmology Research, ed. V.H. Marselle, (Nova Publ.) ISBN: 1-59454-666-5, **255** (2007) 69;

Internal Project Number 301

1. M. Massalska-Arodz, E. Ściesińska, J. Ściesiński, J. Krawczyk, A. Inaba, P.M. Zieliński,
Organic glass formers with elongated molecules as studied by dielectric and complementary methods,
Dielectric Properties of Liquid Crystals, eds Z. Galewski, L. Sobczyk (Research Signpost Publ.); ISBN: 978-81-7895-288-8, (2007) 160;

Internal Project Number 404

1. P. Zagrodzki,
Markers of antioxidant status of organisms (Se, GSHPx) (in Polish),
Przeciwutleniacze w żywności. Aspekty zdrowotne, technologiczne, molekularne i analityczne.
Red. W. Grajek (WNT Warszawa), ISBN: 978-83-204-3277-0, (2007) 409;

Internal Project Number 405

1. P. Tomasik, O. Michalski, E. Bidzińska, A. Cebulska-Wasilewska, K. Dyrek, M. Fedorowicz, P. Olko,
Peculiar physical and chemical properties of thermally generated free-radical dextrans,
Starch. Progress in basic and applied science, eds P. Tomasik, et al., Polish Society of Food Technologist', Malopolska Branch, Krakow, ISBN: 978-8-390269-96-2, (2007) 283;

Internal Project Number 407

1. K. Burda, O. Ktruse,
Mössbauer spectroscopy studies of Tocopherol,
The Encyclopedia of Vitamin E, eds V.R. Preedy, R. Watson (Kings College London and University of Arizona); ISBN13: 978-1084593-075-2, (2007) 53;
2. M. Lekka, P. Laidler, A.J. Kulik,
Direct detection of ligand-protein interaction using AFM,
Applied Scanning Probe Methods VI, eds B. Bhushan, S. Kawata (Springer, New York, USA), ISBN: 3-540-37318-7, (2007) 165;

Internal Project Number 408

1. I. Grombik, I. Śliwka,
The gas chromatographic method of the continuous hydrogen concentration measurement in the air,
Environmental Protection into the Future, eds W. Nowak, J. Bień (Czestochowa Univ. of Technology, Czestochowa, Poland), ISBN: 978-83-7193-340-0, (2007) 43;

2. I. Grombik, I. Śliwka,
Application of PDHID detector in gas chromatographic method for continuous hydrogen concentration measurements in air (in Polish),
Inżynieria i Ochrona Środowiska, ed. Wydział Inżynierii Mechanicznej i Robotyki AGH, Kraków, ISBN: 83-89772-27-2, **10** (2007) 117;
3. I. Śliwka, J. Lasa, D. Nowogrodzka,
Ten years (1997-2007) concentration measurement of chlorofluorocarbons in air of southern Poland in the light of the Montreal Protocol decisions (in Polish),
Ochrona i Inżynieria Środowiska, Zrównoważony Rozwój 35, ed. Wydział Inżynierii Mechanicznej i Robotyki AGH, Kraków, ISBN: 83-89772-27-2, (2007) 301;

Habilitation Theses

1. M. Lekka,
The use of atomic force microscopy as a technique for the identification of cancerous cells,
Report 2001/AP, (2007) ;
2. M. Witek,
A study of neutral current processes of LEP (in Polish) ,
IFJ Report, **1992/PH** (2007) ;
3. M. Wolny-Marszałek,
Nano-scale interface modification of the Co/Cu system: metallic surface modifiers in the growth of smooth thin films,
Raport 2000/PS, (2007) ;

Articles in Proceedings of International Conferences

Internal Project Number 102

1. A. Galas,
Particle production in DIS and photoproduction from ep collisions,
Proc. of the XXXVII Int. Symp. on Multiparticle Dynamics (ISMD 2007), Berkeley, CA, USA, 6 August..., (2007) 1;

Internal Project Number 105

1. P. Homola, J. Pękala, B. Wilczyńska, H. Wilczyński, M. Risse, R. Engel, D. Góra,
Comparison of preshower characteristics at Auger South and North,
Proc. of the 30th Int. Cosmic Ray Conf. (ICRC'07), Merida, Yucatan, Mexico, 3-11 July 2007 and Proc. of the XXI Conf. on New Trends in High-Energy Physics, Yalta, 15-22 September 2007, eds P.N. Bogolyubov et al., in: FZKA-7340, (2007) 109;
2. J. Pękala, P. Homola, B. Wilczyńska, H. Wilczyński, D. Góra, M. Risse,
Contribution of atmospheric scattering of light to shower signal in a fluorescence detector,
Proc. of the 30th Int. Cosmic Ray Conf. (ICRC 2007), Merida, Yucatan, Mexico, 3-11 July 2007 and Proc. of the XXI Conf. on New Trends in High-Energy Physics, Yalta, 15-22 September 2007, eds P.N. Bogolyubov et al., in: FZKA-7340, (2007) 121;
3. B. Wilczyńska, P. Homola, J. Pękala, H. Wilczyński, R. Engel, H. Klages, B. Keihauer,
Variation of the shower latered lateral spread with air temperature at the ground,
Proc. of the 30th Int. Cosmic Ray Conf. (ICRC'07), Merida, Yucatan, Mexico, 3-11 July 2007 and Proc. of the XXI Conf. on New Trends in High-Energy Physics, Yalta, 15-22 September 2007, eds P.N. Bogolyubov et al., in: FZKA-7340, (2007) 113;
4. H. Wilczyński, for the Pierre Auger Collab.,
The Pierre Auger Observatory in 2007,
Proc. of the XXI Conf. on New Trends in High-Energy Physics, Yalta, 15-22 September 2007, eds P.N. Bogolyubov et al., (2007) 79;

Internal Project Number 107

1. R.I. Aboline, (S. Gadomski) et al.,
Integration of the Trigger and Data Acquisition systems in ATLAS,
Proc. of the Real-time Conf., 2007, 15th IEEE-NPSS, (2007) 1;
2. F. Anghinolfi, G. Blanchot, S. Franz, W. Iwański, B.Lundberg,
System design of the ATLAS Absolute Luminosity Monitor,
Proc. of the 1st Topical Workshop on Electronics for Particle Physics, Prague, Czech Republic, 3-7 September 2007,, (2007) ;
3. E. Banaś, P. Farhouat, Z. Hajduk, B. Kisielewski, P. Lichard, J. Olszowska, V. Ryjov, L.C. Sas,
Distributed low voltage power supply system for front end electronics of the TRT detector in ATLAS experiment,
Abstr. of the 12th Workshop on Electronic for LHC and Future Experiments, Valencia, Spain, 25-29 September 2006 (2006) 18; CERN-2007-001; CERN-LHCC-2007-006; LHCC-G-125; Proc. of the Workshop, eds M. Letheren et al., (2007) 379;
4. W. Iwański,
FPGA based readout logic of the front-end electronics of the ATLAS Absolute Luminosity Monitor,

Proc. of the 1st Topical Workshop on Electronics for Particle Physics, Prague, Czech Republic, 3-7 September..., (2007) ;

5. A. Mapelli, (W. Iwański) et al.,
Development of a detector (alfa) to measure the absolute LHC luminosity at ATLAS,
Proc. of the 10th Int. Conf. on Advanced Detectors and Particle Physics, Como, Italy, (2007) 1;

Internal Project Number 111

1. J. Niemiec, M. Ostrowski, M. Pohl,
The inefficiency of the first-order Fermi process in UHECR production at relativistic shocks,
Proc. of the 30th Int. Cosmic Ray Conf. (ICRC 07), Merida, Yucatan, Mexico, 3-11 July 2007;
in: astro-ph/07054453, (2007) ;
2. J. Niemiec, M. Pohl,
Magnetic turbulence production by streaming cosmic rays upstream of SNR shocks,
Proc. of the 30th Int. Cosmic Ray Conf. (ICRC 07), Merida, Yucatan, Mexico, 3-11 July 2007;
in: astro-ph/07054459, (2007) ;
3. J. Stasielak, S. Stachniewicz, M. Kutschera,
Collapse of the primordial gas clouds in the presence of UV radiation field,
astro-ph/0612071; Proc. of the Astrophysics and Space Science, Island Universes Structure and
Evolution Disk Galaxies, Springer, (2007) 565;

Internal Project Number 208

1. W. Broniowski, E.R. Arriola,
Large- N_c Regge models and the $^2 >$ condensate,
hep-ph/07092692; Proc. of the Mini-Workshop on Hadron and Lattice QCD, Bled, Slovenia,
9-16 July 2007, Bled Workshop in Physics, vol. 8, eds B. Golli et al., (2007) 10;
2. W. Broniowski, P. Bożek, M. Rybczyński,
Fluctuation of the initial condition from Glauber models,
Proc. of the Critical Point and Onset of Deconfinement 4th Int. Workshop, GSI Darmstadt,
Germany 2007, PoS in: nucl-th/07090123, (2007) ;
3. K. Golec-Biernat,
Theoretical summary,
Proc. of the 12th Int. Conf. on Elastic and Diffractive Scattering Forward Physics and QCD,
EDS 2007, eds J. Bartels, et al., DESY, Hamburg, Germany, 21-25 May..., (2007) 538;
4. K. Golec-Biernat, A. Łuszczak,
Diffractive structure function F_L^D from fits with higher twist,
hep-ph/07112740; Proc. of the 12th Int. Conf. on Elastic and Diffractive Scattering Forward
Physics and QCD, EDS 2007, eds J. Bartels, et al., DESY, Hamburg, Germany, 21-25 May...,
(2007) 102;

Internal Project Number 301

1. M. Massalska-Arodź,
Relaxation properties of organic glass formers with elongated molecules,
Proc. of the XVI conf. on Liquid Crystals, Stare Jabłonki, Poland, 2005, eds P. Perkowski, Z.
Raszewski, J. Zieliński, (2007) 157;
2. I. Natkaniec, K. Holderna-Natkaniec, D. Nowak,
*Neutron scattering studies of molecular dynamics in solid phases of neohexane and
diisopropyl*,

Proc. of the Quasi-Elastic Neutron Scattering Conf., Bloomington, Indiana, USA, 14-17 June 2006, eds P.E. Sokol et al., QENS2006, (2007) 117;

3. I. Natkaniec, K. Holderna-Natkaniec, D. Nowak, I. Majerz, M. Prager, *Molecular dynamics in crystalline and glassy state of 2,4,6-trimethyl-pyridine*, Proc. of the Quasi-Elastic Neutron Scattering Conf., Bloomington, Indiana, USA, 14-17 June 2006, eds P.E. Sokol et al., QENS2006, Mater. Res. Soc., (2007) 131;

Internal Project Number 402

1. U. Woźnicka, A. Igielski, A. Kurowski, *Optical fiber detector (SOF) in pulsed thermal neutron experiments*, Proc. of the enlargement workshop NEMEA-3, on Neutron Measurements, Evaluations and Applications, Borovets, Bulgaria, 25-28 October 2006, ed. A.J.M. Plomben, (2007) 173;
2. U. Woźnicka, T. Zorski, *Neutrons as a multifunctional tool for geophysicists*, Proc. of the enlargement workshop NEMEA-3, on Neutron Measurements, Evaluations and Applications, Borovets, Bulgaria, 25-28 October 2006, ed. A.J.M. Plomben, (2007) 125;

Internal Project Number 406

1. P. Kulinowski, M. Labak, K. Majcher, M. Herbiak, P. Grieb, A. Jasiński, *Short-term metabolic changes in rat brain after intravenous CDP-Choline administration studied by means of localised 31P and 1H MR spectroscopy in vivo*, Proc. Int. Soc. Mag. Reson. Med. 15, (2007) 713;

Internal Project Number 408

1. P. Mochalski, J. Lasa, I. Śliwka, *Simultaneous determination of Ne, Ar, SF₆, CFC-12 in groundwater by gas chromatography*, Proc. of the 4th Mini Conf. on Noble Gases in the Hydrosphere and Natural Gas Reservoirs, GFZ Potsdam, Germany, 28 February- 02 March..., (2007) 86;
2. J. Pusz, J. Lasa, I. Śliwka, *Measurements of helium concentration in groundwater using gas chromatographic method*, Proc. of the 4th Mini Conf. on Noble Gases in the Hydrosphere and Natural Gas Reservoirs, GFZ Potsdam, Germany, 28 February- 02 March..., (2007) 71;

Internal Project Number 411

1. M. Marszałek, M. Kaç, A. Polit, V. Tokman, Y. Zabala, S. Maranda, I.Yu. Protsenko, *Surfactant-mediated growth of Co/Cu multilayers*, Proc. of Int. Conf. "Physical and chemical principles of formation and modification of micro- and nanostructures" FMMN2007, (2007) 20;

Articles in Proceedings of National Conferences

Internal Project Number 304

1. R. Rachwalik, Z. Olejniczak, B. Sulikowski,
Effect of alumination on the physicochemical and catalytic properties of ferrierite (in Polish),
XXXIX Ogólnopolskie Kolokwium Katalityczne, Kraków, 14-16 marca 2007, p. 137;
2. A.M. Szymocha, Z.T. Lalowicz, A. Birczyński, K. Góra-Marek, J. Datka,
Deuteron NMR study of D₂O complex mobility in zeolites,
Proc. of XIVth Zeolite Forum, Kocierz, Poland, 16-21 September 2007, p. 203;
3. A.M. Szymocha, Z.T. Lalowicz, J.S. Blicharski, A. Gutsze,
Deuteron NMR spin-lattice relaxation study of D₂ molecules in the cages of zeolite NaY,
XXXIX Ogólnopolskie Kolokwium Katalityczne, Kraków, 14-16 marca 2007, p. 393;
4. M. Zimowska, M. Bazarnik, K. Bahranowski, Z. Olejniczak, D. Su, E.M. Serwicka,
Determination of the nature of aluminum centres in aluminated molecular sieves of the FSM-16 type by the MAS-NMR method (in Polish),
XXXIX Ogólnopolskie Kolokwium Katalityczne, Kraków, 14-16 marca 2007, p. 362;
5. M. Zimowska, H. P'alkov'a, K. Bahranowski, Z. Olejniczak, E. Serwicka,
Analysis of the formation process of porous clay heterostructures of the PCH type (in Polish),
XXXIX Ogólnopolskie Kolokwium Katalityczne, Kraków, 14-16 marca 2007, p. 364;

Internal Project Number 404

1. P. Paśko, (P. Zagrodzki), et al.,
The effect of fructose addition to the fodder containing highly active antioxidant products on the selected parameters of rat metabolism (in Polish),
Konferencja Naukowa "Naturalne przeciwutleniacze: od surowca do organizmu", 29-30 stycznia 2007, Poster 88, 2007, p. 101;
2. M. Szałkowski, P. Zagrodzki, M. Zadrożna,
The concentrations of chosen trace and toxic elements in fetal membranes originating from normal and pathological pregnancies (in Polish),
Materiały XVI Poznańskiego Konwersatorium Analitycznego: "Nowoczesne Metody Przygotowywania Próbek i Oznaczania Śladowych Ilości Pierwiastków", Poznań, 11-13 kwietnia 2007, p. 131;
3. P. Zagrodzki, et al.,
Selected enzymatic indicators of high-fructose model of oxidative stress in rats (in Polish),
Konferencja Naukowa "Naturalne przeciwutleniacze: od surowca do organizmu", Poznań, 29-30 stycznia 2007, Poster 91, 2007, p. 104;

Internal Project Number 405

1. A. Cebulska-Wasilewska,
Influence of genes polymorphism coding biotransformation enzymes for DNA repair capacity in people lymphocytes exposed to PAHs (in Polish),
Materiały XIV Zjazdu PTBR, Kielce, 24-26 września 2007, p. 61;
2. A. Cebulska-Wasilewska, J. Miszczyk, B. Dobrowolska, Z. Dobrowolski,
Comparison of frequency chromosome 1 aberration by FISH in prostate cancer patients or patients with benign prostatic hyperplasia (in Polish),
Materiały XIV Zjazdu PTBR, Kielce, 24-26 września 2007, p. 94;

3. A. Cebulska-Wasilewska, A. Panek, J. Gębicki,
Studies of NA, MNA, NAD compounds influence on radio-susceptibility and DNA repair in humans lymphocytes,
Abstr. of the Int. Conf. and Central and Eastern European Chapter Meeting of Int. Soc. for Environm. Epidemiology, Čeladná, Czech Republic, 26-29 November 2007, in: Cent. Eur. J. Public. Health Suppl. 15, 2007, p. S18;
4. A. Cebulska-Wasilewska, A. Panek, J.L. Gębicki,
Studies of NA, MNA, NAD compounds influence on radio-susceptibility and DNA repair in humans lymphocytes (in Polish),
Materiały XIV Zjazdu PTBR, Kielce, 24-26 września 2007, p. 78;
5. A. Cebulska-Wasilewska, (Z. Rudek, M. Krzysiek, N. Balegenowa, A. Panek) et al.,
Application of challenging dose of ionizing radiation to comparison study individual susceptibility patients with benign prostatic hyperplasia or prostate cancer (in Polish),
Materiały XIV Zjazdu PTBR, Kielce, 24-26 września 2007, p. 91;
6. M. Krzysiek, A. Cebulska-Wasilewska, Z. Dobrowolski, A. Panek, W. Lipczyński, B. Dobrowolska,
Studies response to the challenging dose of X-rays in lymphocytes of prostate cancer patients and healthy donors (in Polish),
Materiały XIV Zjazdu PTBR, Kielce, 24-26 września 2007, p. 95;

Internal Project Number 408

1. P. Mochalski, J. Lasa, I. Śliwka,
Chromatographic method for simultaneous determination of Ne, Ar, SF₆, CFC-11 and CFC-12 in groundwater (in Polish),
XIII Symp. "Współczesne Problemy Hydrologii" cz.2, Artykuły uczestników, ed. Wydział Geologii, Geofizyki i Ochrony Środowiska AGH, Kraków-Krynica, 21-23 czerwca 2007, ISBN: 13-978-83-88927-16-4, 2007, p. 285;
2. J. Pusz, J. Lasa, I. Śliwka,
The gas chromatographic method in measurements of helium concentration in groundwater (in Polish),
XIII Symp. "Współczesne Problemy Hydrologii" cz.2, Artykuły uczestników, ed. Wydział Geologii, Geofizyki i Ochrony Środowiska AGH, Kraków-Krynica, 21-23 czerwca 2007, ISBN: 13-978-83-88927-16-4, 2007, p. 303;

Internal Project Number 410

1. M. Puchalska, M. Budzanowski, A. Woźniak, A. Nowak, A. Sas-Bieniarz, M. Schramm, M. Głodek, K. Włodek, B. Dzieża, M. Kruk,
Measurements of doses of ionizing radiation by means of TLD - results obtained in Individual and Environmental Dosimetry Laboratory, IFJ PAN in Kraków (in Polish),
Dziesiąte spotkanie Inspektorów Ochrony Radiologicznej, Czarniejewo, 15-18 maja 2007, p. 23;

Internal Project Number 503

1. B. Winiarska, P. Bilski, L. Grin, T. Horwacik, B. Marczevska, K. Zbroja,
Calibration of surface contamination monitors at Laboratory for Calibration of Radiation Protection Instruments (in Polish),
Dziesiąte spotkanie Inspektorów Ochrony Radiologicznej, Czarniejewo, 15-18 maja 2007, p. 28;

Other Conference Materials

1. A. Nikiel, (Z. Olejniczak) et al.,
Optical polarization of helium-3 at non-standard conditions,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 48;
2. G. Bauman, K. Cieślak, Z. Olejniczak, T. Dohnalik,
Reconstruction of non-cartesian MRI data,
Abstr. of the Ampere NMR School, Bukowina Tatrzańska, Poland, 24-30 June 2007, p. 74;
3. A. Birczyński, Z.T. Lalowicz, M. Prager, M. Punkkinen, A.M. Szymocha,
Deuteron NMR spectra and spin-lattice relaxation in $(ND_4)_2PdCl_6$ and $(ND_4)_2PtCl_6$ - an evidence for order-disorder phase transitions,
Abstr. of the Ampere NMR School, Bukowina Tatrzańska, Poland, 24-30 June 2007, p. 76;
4. A. Birczyński, Z.T. Lalowicz, M. Prager, M. Punkkinen, A.M. Szymocha,
Deuteron NMR spectra and spin-lattice relaxation in $(ND_4)_2PdCl_6$ and $(ND_4)_2PtCl_6$ - an evidence for order-disorder phase transitions,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 11;
5. A. Birczyński, Z.T. Lalowicz, M. Punkkinen, A.M. Szymocha,
Coupled relaxation of the T and A+E magnetisations of CD_4 quantum rotors in nanoscale cages of zeolites,
Abstr. of the Ampere NMR School, Bukowina Tatrzańska, Poland, 24-30 June 2007, p. 91;
6. A. Birczyński, Z.T. Lalowicz, M. Punkkinen, A.M. Szymocha,
Translation and reorientation of CD_4 molecules in nanoscale cages of zeolites as studied by deuteron NMR relaxation,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 9;
7. M. Budzanowski, A. Woźniak, M. Puchalska, A. Nowak, A. Sas-Bieniarz, M. Schramm,
Results of individual whole-body dosimetry measurements for personel working in RTG environment achieved by TL dosimetry method (in Polish),
Abstr. z IX Spotkania Inspektorów Ochrony Radiologicznej, Mierki, 23-25 lut., 2007, p. 20;
8. A. Cebulska-Wasilewska, A. Dobrowolski, Z. Rudek, A. Panek, M. Krzysiek,
Response to the challenging dose of X-ray in lymphocytes of prostate cancer patients and healthy donors,
Abstr. of the Int. Conf. and Central and Eastern European Chapter Meeting of Int. Soc. for Environm. Epidemiology., 2007, p. S27;
9. A. Cebulska-Wasilewska, Z. Drag, P. Karwacki, M. Krzysiek, J. Stefanik,
Studies on public awareness about the occupational risk on cancer,
Abstr. of the Int. Conf. and Central and Eastern European Chapter Meeting of Int. Soc. for Environm. Epidemiology., 2007, p. S28;
10. A. Cebulska-Wasilewska, J. Miszczyk, B. Dobrowolska, Z. Dobrowolski,
Detection of chromosomal translocation in prostate cancer and benign prostatic hyperplasia by fluorescence in situ hybridization (FISH),
Abstr. of the Int. Conf. and Central and Eastern European Chapter Meeting of Int. Soc. for Environm. Epidemiology., 2007, p. S35;
11. A. Cebulska-Wasilewska, (Z. Rudek, M. Krzysiek, A. Panek, S. Krasnowolski) et al.,
Response to the challenging dose of X-rays in lymphocytes of prostate cancer patients and healthy donors,
Abstr. of the 13th Int. Congress of Radiation Research, San Francisco, CA, USA, 8-12 July 2007, ICRR, 2007, p. 220;

12. A. Fraczek, K. Nowicka, M. Wójcik, J. Michałowski, S. Błazewicz,
Carbon fibers modified with nanocomponents,
Abstr. of the Int. Conf. on Carbon, Aberdeen, Scotland, 16-21 July 2006, NanoteC'06, 2007, p.
;
13. B. Gil, J. Janas, A. Kubacka, E. Włoch, Z. Olejniczak, J. Datka, B. Sulikowski,
In quest of active sites for NO_x removal over ferrierite,
15th Int. Zeolite Conf. "From Zeolites to Porous MOF Materials", Recent Research Reports,
Beijing, China, 12-17 August 2007, p. 229;
14. J. Haduch, A. Jasiński, D. Adamek, T. Banasik, K. Banaś, P. Brzegowy, K. Majcher, A. Pilc,
T. Skórka, Z. Sułek, K. Szybiński, W. Węglarz,
*NMR diffusion anisotropy imaging for the assessment of MK-801 neuroprotecting effects on
the rat spinal cord traumatic injury in vivo*,
Abstr. of the AMPERE NMR School, Bukowina Tatrzańska, Poland, 24-30 June 2007, p. 82;
15. J. Haduch, (A. Jasiński, T. Banasik, K. Banaś, K. Majcher, T. Skórka, Z. Sułek, K. Szybiński,
W. Węglarz) et al.,
*MR diffusion anisotropy imaging for the assessment of MK-801 neuroprotecting effects on the
rat spinal cord traumatic injury in vivo*,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April
2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-23;
16. J. Hetmańczyk, Ł. Hetmańczyk, A. Migdał-Mikuli, E. Mikuli, K. Hołderna-Natkaniec, I.
Natkaniec,
*Phase transitions and molecular motions in [Ca(H₂O)₄](ClO₄)₂ studied by quasielastic neutron
scattering and nuclear magnetic resonance methods*,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 27;
17. I. Kitowski, J.W. Mietelski, P. Gaca, P. Węgrzyn, E. Tomankiewicz,
Radio-nuclides from the Chernobyl fallout in Polish raports,
Abstr. of the XXIV Int. Ornithological Congress, Hamburg, Germany, 13-19 August 2006 in:
J. Ornithology, **147** 2007, p. 91;
18. J. Krawczyk, I. Natkaniec, M. Nowina-Konopka, J. Janik, K. Hołderna-Natkaniec, A.
Skjeltop, J.P. Pinheiro,
*Inelastic neutron scattering study of hydrogen adsorbed on carbon nano-particles containing
cones and discs*,
Abstr. of the 4th European Conf. on Neutron Scattering, Lund, Sweden, 25-29 June 2007,
2007, p. 32;
19. M. Krzysiek, A. Cebulska-Wasilewska, Z. Dobrowolski, A. Panek, W. Lipczyński, B.
Dobrowolska,
*Studies on response to the challenging dose of X-rays in lymphocytes of prostate cancer
patients and healthy donors*,
Abstr. of the 13th Int. Congress of Radiation Research, San Francisco, CA, USA, 8-12 July
2007, ICRR, 2007, p. 116;
20. A.T. Krzyżak, A. Jasiński, S. Kwieciński, P. Kozłowski, D. Adamek,
*Quantitative assesment of injury in the spinal cord of rat in vivo using MRI of water diffusion
tensor*,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April
2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-29;
21. B. Kubica, P. Fleischer, S. Skiba, J. Gołaś, M. Stobiński, R. Misiak,
*Determination of ¹³⁷Cs and ⁴⁰K radionuclides in soil samples from Tatra National Park (in
Polish)*,
Abstr. of the Int. Conf. on Chemistry and the Environmental, Toruń, Poland, 9-12 September
2007, p. PS1-19;

22. B. Kubica, M. Stobiński, R. Misiak, W. Reczyński, J. Gołaś, M. Macherzyński,
Determination of artificial ^{137}Cs and natural ^{40}K in the sediments of the Dobczyce water reservoir in years 2004-2006 (in Polish),
Int. Conf. on Chemistry and the Environmental, Toruń, Poland, 9-12 September 2007, p. PS1-18;
23. B. Kubica, M. Stobiński, R. Misiak, S. Skiba, J. Gołaś,
Investigation of mechanism sorption and desorption isotope ^{137}Cs in the profiles of the mountain's region soils (in Polish),
Abstr. of the Int. Conf. on Chemistry and the Environmental, Toruń, Poland, 9-12 September 2007, p. PS1-17;
24. P. Kulinowski, J. Zapart-Bukowska, A. Jasiński, J.A. Żołądź,
Inorganic phosphate peak splitting during exercise in human skeletal muscles? What does it mean?,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 79;
25. Z.T. Lalowicz, A. Birczyński, M. Prager, M. Punkkinen, A.M. Szymocha,
Deuteron NMR spectra and spin-lattice relaxation in $(\text{ND}_4)_2\text{PdCl}_6$ and $(\text{ND}_4)_2\text{PtCl}_6$ - an evidence for order-disorder phase transitions,
Abstr. of the Magnetic Resonance Conf., EUROMAR 2007, Tarragona, Spain, 1-5 July 2007, p. 161;
26. Z.T. Lalowicz, A. Birczyński, M. Punkkinen, A.M. Szymocha,
Coupled relaxation of the T and A+E magnetisations of CD_4 quantum rotors in nanoscale cages of zeolites,
Abstr. of the Magnetic Resonance Conf., EUROMAR 2007, Tarragona, Spain, 1-5 July 2007, p. 245;
27. Z.T. Lalowicz, A. Birczyński, A.M. Szymocha, K. Góra-Marek, J. Datka,
Deuteron NMR study of D_2O complex mobility in zeolites,
15th Int. Zeolite Conf. "From Zeolites to Porous MOF Materials", Recent Research Reports, Beijing, China, 12-17 August 2007, p. 121;
28. Z.T. Lalowicz, A. Birczyński, A.M. Szymocha, K. Góra-Marek, J. Datka,
Deuteron NMR study of D_2O complex mobility in zeolites,
Abstr. of the Magnetic Resonance Conf., EUROMAR 2007, Tarragona, Spain, 1-5 July 2007, p. 162;
29. Z.T. Lalowicz, A.M. Szymocha,
Deuteron spin-lattice relaxation study of CD_4 mobility in zeolite NaY,
15th Int. Zeolite Conf. "From Zeolites to Porous MOF Materials", Recent Research Reports, Beijing, China, 12-17 August 2007, p. 147;
30. B. Marczevska, D. Tromson, C. Descamps, P. Bilski, F. Schirru, A. Bogus,
The thermoluminescent properties of CVD diamonds for radiation protection and radiotherapy applications,
Abstr. of the Hasselt Diamond Workshop - SBD, Diepenbeek-Hasselt, Belgium, 28 February - 2 March 2007, p. 77;
31. B. Michalec, J. Swakoń, U. Sroka, T. Kajdrowicz, P. Olko, B. Romanowska-Dixon, M.P.R. Waligórski,
Ocular Proton Planning at the facility for the proton ocular radiotherapy (in Polish),
XIV Zjazd Polskiego Towarzystwa Badań Radiacyjnych im. Marii Skłodowskiej-Curie, Kielce, 24-26 września 2007, p. 88;
32. Ł. Mokrzycki, Z. Olejniczak, B. Sulikowski,
Isomerization of α -pinene over ZSM-12, ZSM-5 and MCM-22 zeolites,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 46;

33. M. Puchalska, M. Budzanowski, A. Woźniak, A. Nowak, A. Sas-Bieniarz, M. Schramm, M. Głodek, K. Włodek, B. Dzieża, M. Kruk,
Ionizing radiation doses measured by thermoluminescent dosimetry - results received in LADIS IFJ PAN Kraków (in Polish),
Abstr. z X Spotkania Inspektorów Ochrony Radiologicznej, Czerniejewo, 15-18 maj 2007, p. ;
34. R. Reczyński, M. Macierzyński, B. Kubica, J. Gołaś, A. Kosiba, E. Niewiara, B. Baś,
Analysis of metals concentrations in water, porous water and sediment samples of the Dobczyce water reservoir (in Polish),
Abstr. of the Int. Conf. on Chemistry and the Environmental, Toruń, Poland, 9-12 September 2007, p. PS1-28;
35. W. Reczyński, J. Gołaś, E. Niewiara, B. Baś, J. Pomykalska, B. Kubica,
Sequential extraction of metals form the depth profiles sediments of the Dobczyce reservoir (in Polish),
Abstr. of the Int. Conf. on Chemistry and the Environmental, Toruń, Poland, 9-12 September 2007, p. PS1-29;
36. F. Schirru, B. Marczewska, T. Nowak, P. Olko,
Characterization of thick CVD crystal diamonds as active and passive detectors,
Abstr. of the 18th Eur. Conf. on Diamond, Diamond-Like Mat., Carbon Nanotubes, and Nitrides, 2007, p. 1.11.2;
37. F. Schirru, B. Marczewska, A. Tallaire, J. Achard, T. Nowak, P. Olko,
Some dosimetric properties of thick single CVD diamond crystals,
Abstr. of the Hasselet Diamond Workshop - SBD, Diepenbeek-Hasselt, Belgium, 28 February - 2 March 2007, p. 76;
38. M. Sitarz, Z. Fojud, Z. Olejniczak,
Structure of silico-phosphate glasses studied by ^{23}Na , ^{27}Al , ^{29}Si , ^{31}P NMR and FTIR methods,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April 2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-17;
39. T. Skórka, S. Heinze-Paluchowska, U. Tyrankiewicz, M. Woźniak, L. Wojnar, Ł. Drelicharz, S. Chłopiczki, A. Jasiński,
*MRI of the progression of systolic and diastolic dysfunction in transgenic Tgaq*44 mice in vivo,*
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 62;
40. U. Sroka, B. Michalec, P. Olko, M. Schramm, J. Swakoń,
An optimization of the X-ray patient's positioning system at the facility for the proton ocular radiotherapy at IFJ PAN in Krakow (in Polish),
XIV Zjazd Polskiego Towarzystwa Badań Radiacyjnych im. Marii Skłodowskiej-Curie, Kielce, 24-26 września 2007, p. 70;
41. M. Suchanek, Z. Olejniczak,
Quality assessment in apples using low field magnetic resonance imaging,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 64;
42. J. Swakoń, B. Michalec, U. Sroka, P. Olko, B. Romanowska-Dixon, M.P.R. Waligórski,
The facility for the proton ocular radiotherapy at IFJ PAN in Krakow - present status (in Polish),
XIV Zjazd Polskiego Towarzystwa Badań Radiacyjnych im. Marii Skłodowskiej-Curie, Kielce, 24-26 września 2007, p. 69;
43. A.M. Szymocha, Z.T. Lalowicz, A. Birczyński, K. Góra-Marek, J. Datka,
Diverse mobility of D_2O molecules in zeolites: deuteron NMR and IR study,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications, Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 66;

44. M. Tanasiewicz, W.P. Węglarz, A. Jasiński, U. Tyrankiewicz,
In vivo MRI visualization of guinea pig teeth with using spin-echo technique,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 68;
45. M. Tuteja-Krysa, J. Zięba-Palus, B. Skwarzec,
*FTIR research as the method succoring the explanation of the sorption CO(II) on
hexacyanoferrate (III) nickel(II) (in Polish)*,
11th EuCheMs - DCE Int. Conf. on Chemistry and the Environment, Toruń, Poland, 9-12
September 2007, p. PS2-68;
46. U. Tyrankiewicz, S.H. Paluchowska, T. Banasik, T. Skórka, A. Jasiński, W.P. Węglarz,
*Neuroprotection of spinal cord by application of an extract from Paeonin lactiflora, animal
studies*,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 70;
47. R. Ugenskiene, (J. Lekki, Z. Stachura, W.M. Kwiatek) et al.,
*DSB repair kinetics after the exposure to high and low-LET conventional and microbeam
radiation*,
XXXIX Zjazd Fizyków Polski, Szczecin, 9-14 września 2007, p. 114;
48. O. Veselov, J. Lekki, R. Ugenskiene, Z. Stachura, K. Lebed, W.M. Kwiatek,
New improvements of the Kraków single ion hit facility for cells irradiation,
Abstr. of the 13th Int. Congress of Radiation Research, San Francisco, CA, 8-12 July 2007, p.
247;
49. O. Veselov, J. Lekki, R. Ugenskiene, Z. Stachura, K. Lebed, W.M. Kwiatek,
New improvements of the Krakow single ion hit facility for cells irradiation,
XXXIX Zjazd Fizyków Polski, Szczecin, 9-14 września 2007, p. 115;
50. W.P. Węglarz,
MRI of anisotropic water diffusion in nervous tissue- from physics to medicine,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 71;
51. W.P. Węglarz, T. Banasik, U. Tyrankiewicz, A. Jasiński,
Correlated diffusion/relaxation weighted MRI of rat spinal cord in vivo,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April
2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-49;
52. W.P. Węglarz, T. Banasik, U. Tyrankiewicz, T. Skórka,
*Water as a probe for anisotropic structure of nervous tissue - diffusion weighted MRI
approach to investigation of spinal cord pathology on animal model*,
Abstr. of the 10th Int. Symp. on the Properties of Water, Bangkok, Thailand, 2-7 September
2007, ISOPOW 10, 2007, p. 86;
53. W.P. Węglarz, M.M. Tanasiewicz, B. Korzeniowska, K. Banaś, T. Banasik, U. Tyrankiewicz,
A. Jasiński,
In vivo magnetic resonance imaging of guinea pig teeth,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April
2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-48;
54. D. Wierzuchowska, K. Banaś, T. Banasik, P. Gogol, A. Jasiński, B. Szczęśniak-Fabiańczyk,
MR study of biexponential diffusion in boar spermatozoa suspension in vivo,
Abstr. of the AMPERE NMR School, Bukowina Tatrzańska, Poland, 24-30 June 2007, p. 68;
55. D. Wierzuchowska, K. Banaś, T. Banasik, P. Gogol, A. Jasiński, B. Szczęśniak-Fabiańczyk,
Diffusion study in boar spermatozoa suspension in vivo using Biexponential Model,
XXII Int. Conf. on Radio and Microwave Spectroscopy, Poznań-Będlewo, Poland, 22-25 April
2007, Abstracts Book RAMIS 2007 (IFM PAN), 2007, p. P-50;

56. G. Woźniak, T. Skórka, T. Banasik, W.P. Węglarz, A. Jasiński,
Uniplanar gradient coils design with stream function approach,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 73;
57. M. Woźniak, T. Skórka, S. Heinze-Paluchowska, U. Tyrankiewicz, Ł. Drelicharz, S. Chłopicki,
*Heart failure in search for a novel ways of pharmacotherapy using the unique mice model of
radiomyopathy and MRI analysis*,
Abstr. of the XL Polish Seminar on Nuclear Magnetic Resonance and its Applications,
Kraków, Poland, 3-4 December 2007; in: Report 2002/AP, 2007, p. 75;
58. B. Wzorek, M. Skowron, P. Mochalski, I. Śliwka, J. Lasa,
*Chromatographic determination of volatile sulfur compounds using SPME technique and
thermal desorption for the purpose of medical diagnosis (in Polish)*,
Abst. of the 50th Anniversary Pol. Chem. Soc. and Pol. Assoc. of Chem. Engineers Congress
and of the 11th EuCheMS-DE, Int. Conf. on Chem. and the Environment, Toruń, Poland, 9-12
September 2007, p. 278;
59. B. Wzorek, M. Skowron, P. Mochalski, I. Śliwka, J. Lasa,
Analysis of volatile sulphur compounds in breath for the purpose of medical diagnosis,
Abstr. of the XXXJ Symp. on Chromatographic Methods of Investigating the Organic
Compounds, Katowice-Szczyrk, Poland, 4-6 June 2007, p. 99;
60. P. Zagrodzki,
*Selenium supplementation in autoimmune thyroiditis female patient - effects on thyroid and
ovarian functions (case study)*,
Tenth Int. Conf. on the Chemistry of Selenium and Tellurium, Łódź, Poland, 22-27 June 2007,
Book of Abstracts ICCST-10, 2007, p. P45;

Reports

Internal Project Number 101

1. O. Callot, M. Kucharczyk, M. Witek,
VELO-TT track reconstruction,
CERN-LHCb-2007-010, (2007) ;
2. A. Zalewska,
Possible location for the underground laboratory in Poland,
Eurons Report, (2007) 37; Nuclear Physics in Poland 1996-2006;

Internal Project Number 102

1. D. Bozzini, V. Chareyre, A. Kotarba, K.H. Mess, S. Olek, S. Russenschuck,
Experience with the quality assurance of the superconducting electrical circuits of the LHC machine,
LHC Project Report, **962** (2007) ;

Internal Project Number 103

1. H1 Collab., A. Aktas, (A. Falkiewicz, L. Görlich, S. Mikocki, I. Milcewicz-Mika, G. Nowak, J. Turnau) et al.,
Production of D^{\pm} mesons with dijets in deep-inelastic scattering at HERA*,
hep-ex/0701023, (2007) ;

Internal Project Number 104

1. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska) et al.,
Measurement of the branching fraction for $B^0 \rightarrow a_1^\pm(1260)\pi^+$ with 535 million BB Pairs,
hep-ex/07063279, (2007) ;
2. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Stypuła, J. Wiechczyński) et al.,
Measurement of the inclusive $B_s^0 \rightarrow X^+ l \nu$ semileptonic decay branching fraction,
hep-ex/07102548, (2007) ;
3. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
Measurement of the absolute branching fraction of the D_s^\pm meson,
hep-ex/0701053, (2007) ;
4. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
*Search for B meson decays to ωK^{*0}* ,
hep-ex/07072462, (2007) ;
5. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
Measurement of $B^+ \rightarrow D^+ D^0$ branching fraction and charge asymmetry and search for $B^0 \rightarrow D^0 D^0$,
hep-ex/07081668, (2007) ;
6. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,

- Search for $B^0 \rightarrow \rho^0 \rho^0$ and non resonant $B^0 \rightarrow 4\pi$ decays,*
 hep-ex/07082006, (2007) ;
7. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
Measurement of $B \rightarrow D_s K \pi$ branching ratios,
 hep-ex/07082885, (2007) ;
 8. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
Search for lepton flavor violating $\tau \rightarrow l V^0$ decays at Belle,
 hep-ex/07083276, (2007) ;
 9. Belle Collab., K. Abe, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, J. Stypuła) et al.,
Measurement of neutral pion pair production in two-photon collisions,
 hep-ex/07111926, (2007) ;
 10. Belle Collab., K. Abe, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, Z. Natkaniec, W. Ostrowicz, H. Pałka, M. Różańska, J. Stypuła, J. Wiechczyński) et al.,
Precise measurement of hadronic τ -decays in modes with η mesons,
 hep-ex/, **07080733** (2007) ;
 11. Belle Collab., K. Abe, (A. Bożek, P. Kapusta, T. Lesiak, A. Matyja, W. Ostrowicz, H. Pałka, M. Różańska, J. Wiechczyński) et al.,
Measurements of CP violation parameters in $B^0 \rightarrow K_S^0 \pi^0 \pi^0$ and $B^0 \rightarrow K_S^0 K_S^0$ decays,
 hep-ex/, **07081845** (2007) ;
 12. Belle Collab., D. Liventsev, (A. Bożek, J. Brodzicka, P. Kapusta, T. Lesiak, Z. Natkaniec) et al.,
Study of $B \rightarrow D^{++} l \nu$ with full reconstruction tagging,
 hep-ex/07113252, (2007) ;

Internal Project Number 105

1. D. Góra, M. Roth, R. Engel, A. Tamburro,
The topography of the Auger site as a systematic uncertainty for skimming neutrinos,
 Gap Note 2007-045, (2007) ;
2. D. Góra, M. Roth, A. Tamburro,
The flux of emerging τ leptons from the Earth calculated by ANIS,
 Gap Note 2007-026, (2007) ;
3. M. Risse for the Pierre Auger Collab., II. Allekotte, (D. Góra, P. Homola, J. Pękala, B. Wilczyńska, H. Wilczyński) et al.,
An upper limit to photons from first data taken by the Pierre Auger Observatory,
 astro-ph/0701065, (2007) ;

Internal Project Number 106

1. D. Acosta-Kane, (A.M. Szelc) et al.,
WARP 2.3: Summary of autumn 2006 WIMP data run,
 WARP internal note, April, (2007) ;
2. R. Brunetti, (K. Cieřlik, A. Dąbrowska, M. Szarska, A. Zalewska) et al.,
Detection and reconstruction of π^0 mesons with the ICARUS T600 liquid argon TPC,
 ICARUS-TM/07-01, (2007) ;
3. F. Di Pompeo, L. Grandi, L. Pandola, A.M. Szelc,
Analysis of the gamma background spectrum with the new 2.3-liter chamber,
 WARP internal note, July, (2007) ;

4. T2K Collab., Y. Fujii, (M. Markiewicz, T. Wachała, A. Zalewska) et al.,
A letter of intent to extend T2K with a detector 2 km away from the JPARC neutrino source,
3-rd PAC Meeting J-PARC-PAC-2007, (2007) ;

Internal Project Number 107

1. A. Abdesselam, (P. Brückman, M. Turafa) et al.,
The ATLAS SCT optoelectronics and the associated electrical services,
ATL-COM-INDET-2006-011; ATL-INDET-PUB-2007-001, (2007) 50;
2. D. Costanzo, (S. Gadomski) et al.,
Metadata for ATLAS,
ALT-COM-GEN-2007-001, CERN-ATL-COM-GEN-2007-001, ATL-GEN-PUB-2007-001,
(2007) ;
3. A. Kaczmarska, E. Richter-Was, Ł. Janyst,
The track-based algorithm tau1p3p: integration with tauRec and performance for release 12.0.5,
ATL-COM-PHYS-2007-010, (2007) ;

Internal Project Number 108

1. M. Krasowski, M. Kucharczyk, W. Männer, G. Polok, M. Witek,
Primary vertex reconstruction,
CERN-LHCb-2007-011, (2007) ;

Internal Project Number 109

1. G. Aarons, (W. Daniluk, B. Pawlik, W. Wierba, L. Zawiejski) et al.,
Reference design report,
ILC-Report-2007-001, (2007) ;
2. J. Błocki, (W. Daniluk, M. Gil, E. Kielar, J. Kotuła, A. Moszczyński, K. Oliwa, B. Pawlik, M. Stypuła, W. Wierba, L. Zawiejski) et al.,
Laser Alignment System for LumiCal Status report,
Internal Note, **EUDET-Memo-2007-39** (2007) ;
3. J. Błocki, (W. Daniluk, M. Gil, E. Kielar, J. Kotuła, A. Moszczyński, K. Oliwa, B. Pawlik, W. Wierba, L. Zawiejski) et al.,
Silicon sensors for the LumiCal - prototype design,
Internal Note, **EUDET-Memo-2007-047** (2007) ;
4. J. Błocki, W. Daniluk, M. Gil, E. Kielar, A. Moszczyński, K. Oliwa, B. Pawlik, W. Słomiński, L. Suszyński, W. Wierba, L. Zawiejski,
CMOS optical sensor and readout electronics for LumiCal Alignment System,
IFJ Report, **2003/E** (2007) ;
5. J. Błocki, (W. Daniluk, M. Gil, E. Kielar, A. Moszczyński, K. Oliwa, B. Pawlik, W. Wierba, L. Zawiejski) et al.,
The proposed design of the silicon sensors for the LumiCal,
EUDET-Memo-2007-09, (2007) ;
6. J. Błocki, (W. Daniluk, W. Wierba, L. Zawiejski) et al.,
Silicon sensors for the LumiCal for the very forward region,
IFJ Report, **1993/PH** (2007) ;
7. W. Daniluk, M. Gil, K. Oliwa, W. Wierba,
ZEUS luminosity photon calorimeter linearity measurement,
IFJ Report, **2004/E** (2007) ;

8. M. Idzik, (B. Pawlik, W. Wierba, L. Zawiejski) et al.,
The concept of LumiCal readout electronics,
Report, **EUDET-Memo-2007-13** (2007) ;

Internal Project Number 110

1. D. Bardin, S. Bondarenko, L. Kalinovskaya, G. Nanava, L. Romyantsev,
The three channels of the process $f_i f_j HA \rightarrow 0$ in the SANC framework,
hep-ph/070211, (2007) ;
2. C.E. Gerber, (P. Golonka, S. Jadach, Z. Waś) et al.,
Tevatron-for-LHC report: Top and electroweak physics,
hep-ph/07053251, (2007) ;
3. K. Golec-Biernat, S. Jadach, W. Płaczek, M. Skrzypek,
Solving QCD evolution equations in rapidity space with Markovian Monte Carlo,
hep-ph/ 0781906, (2007) ;
4. S. Jadach, W. Płaczek, M. Skrzypek, P. Stephens, Z. Waś,
Constrained MC for QCD evolution with rapidity ordering and minimum kT ,
hep-ph/0703281, (2007) ;
5. S. Jadach, M. Skrzypek, Z. Waś,
Hierarchically organized iterative solutions of the evolution equations in QCD,
hep-ph/ 0701174, (2007) ;
6. P. Stephens, A. van Hameren,
Propagation of uncertainty in a parton shower,
hep-ph/0703240, (2007) ;
7. A. van Hameren,
PARNI for importance sampling and density estimation,
hep-ph/07102448, (2007) ;
8. Z. Waś, P. Golonka, G. Nanava,
PHOTOS Monte carlo for precision simulation of QED in decays - History and properties of the project,
hep-ph/0703044, (2007) ;
9. K. Zalewski,
Physics from HBT radii,
hep-ph/07104042, (2007) ;

Internal Project Number 111

1. A. Odrzywółek, M. Kutschera,
Kaon condensate with trapped neutrinos and high-density symmetry energy behavior,
astro-ph/0703686, (2007) ;

Internal Project Number 112

1. P. Błasiak, A. Horzela,
Graph Algebras for quantum theory,
quant-ph/07100266, (2007) ;
2. G. Dattoli, P. Błasiak, A. Horzela, K. Penson, K.V. Zhukovsky,
Higher order central trinomial coefficients, associated motzkin numbers and special functions,
RT/2007/FIM (ENEA), (2007) ;

3. C.H.E. Duchamp, P. Błasiak, A. Horzela, K.A. Penson, A.I. Solomon,
A three parameter Hopf deformation of the Algebra of Feynman-like Diagrams,
math-ph/07042522, (2007) ;

Internal Project Number 201

1. M. Caamano, (R. Wolski) et al.,
Characterization of ^7H nuclear system,
nucl-ex/0702021, (2007) ;

Internal Project Number 204

1. NA49 Collab., C. Alt, (J. Bartke, E. Gładysz, E. Kornaś, M. Kowalski, A. Rybicki) et al.,
Energy dependence of multiplicity fluctuations in heavy ion collisions at the CERN SPS,
nucl-ex/07123216, (2007) ;
2. NA49 Collab., D. Varga, (J. Bartke, A. Rybicki) et al.,
Status and plans of the NA49 pp and pA programme,
SPSC-M-759, CERN-SPSC-2007-031, (2007) ;

Internal Project Number 205

1. R.S. Hollis for the PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
The importance of the initial geometry in heavy ion collisions,
nucl-ex/07070125, (2007) ;
2. R. Nouicer for the PHOBOS Collab., (T. Gburek, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
Elliptic flow, initial eccentricity and elliptic flow fluctuations in heavy ion collisions at RHIC,
nucl-ex/07074424, (2007) ;
3. PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek, K. Woźniak) et al.,
System size, energy and centrality dependence of pseudorapidity distributions of charged particles in relativistic heavy ion collisions,
nucl-ex/07094008, (2007) ;
4. G.S.F. Stephans for the PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek) et al.,
Systematics of soft particle production at RHIC: lessons from PHOBOS,
nucl-ex/07053859, (2007) ;
5. K. Woźniak for PHOBOS Collab., B. Alver, (T. Gburek, R. Hołyński, A. Olszewski, A. Trzupek, B. Wosiek) et al.,
Multiplicity fluctuations in Au+Au collisions at RHIC,
nucl-ex/0702058, (2007) ;

Internal Project Number 206

1. CMS Collab., S. Chatrchyan, (J. Błocki, A. Cyz, E. Gładysz-Dziaduś, S. Mikocki, J. Turnau, Z. Włodarczyk, P. Żychowski) et al.,
CMS Expression of interest in the SLHC,
CERN/LHCC 2007-014, (2007) ;
2. CMS Collab., S. Chatrchyan, (J. Błocki, A. Cyz, E. Gładysz-Dziaduś, S. Mikocki, J. Turnau, P. Żychowski) et al.,

High density QCD with heavy ions,

CERN/LHCC 2007-009; CMS TDR 8.2-Add1, (2007) ;

3. CMS Collab., S. Chatrchyan, (J. Błocki, A. Cyz, S. Mikocki, J. Turnau, P. Żychowski) et al.,
CMS Expression of interest in the SLHC,
CERN/LHCC 2007-014; LHCC-G-131, (2007) ;

Internal Project Number 207

1. A. Adamczak, M.P. Faifman,
Monte Carlo simulations of μ CF processes kinetics in deuterium gas,
physics.atom-ph/07114136, (2007) ;
2. S.B. Baranov, A. Szczurek,
*Learning the dynamics of gluon ladders at intermediate x in inclusive production of J/ψ meson
in proton-proton collisions at RHIC energies,*
hep-ph/07101792, (2007) ;
3. P. Czerski, W.M. Alberico, S. Chiacchiera, A. De Pace, H. Hansen, A. Molinari, M. Nardi,
HTL approach to the viscosity of quark plasma,
hep-ph/07080174, (2007) ;
4. M. Łuszczak, A. Szczurek,
Heavy quark correlations in hadronic collisions,
hep-ph/07063439, (2007) ;
5. T. Pietrycki, A. Szczurek,
Photon-jet correlations in hadronic collisions,
hep-ph/07063442, (2007) ;
6. A. Szczurek,
Diffraction production of quarkonia,
hep-ph/07090224, (2007) ;

Internal Project Number 208

1. A. Białas, M. Chojnacki, W. Florkowski,
Early evolution of transversally thermalized partons,
nucl-th/07081076, (2007) ;
2. W. Broniowski, M. Rybczyński, P. Bożek,
GLISSANDO: GLauber Initial-State Simulation and mOre...,
nucl-th/07105731, (2007) ;
3. M. Chojnacki, W. Florkowski,
Hydrodynamics of transversally thermalized partons in ultra-relativistic heavy-ion collisions,
nucl-th/07105871, (2007) ;
4. M. Chojnacki, W. Florkowski, W. Broniowski, A. Kisiel,
*Soft heavy-ion physics from hydrodynamics with statistical hadronization-predictions for the
Large Hadron Collider,*
nucl-th/07120947, (2007) ;
5. M. Ciafaloni, D. Colferai, G.P. Salam, A.M. Staśto,
A Matrix formulation for small- x singlet evolution,
hep-ph/07071453, (2007) 36;
6. B. El-Bennich, A. Furman, R. Kamiński, L. Leśniak, B. Loiseau, B. Moussallam,
Mesonic interactions and their contribution to strong phases in flavor physics,
hep-ph/07112500, (2007) ;

7. R. Higa, M.P. Valderrama, E.R. Arriola,
Renormalization of NN interaction with Lorentz-invariant chiral two pion exchange,
nucl-th/07054565, (2007) ;
8. N. Szpak, P. Bizoń, T. Chmaj, A. Rostworowski,
Linear and nonlinear tails II: exact decay rates in spherical symmetry,
math-ph/07120493, (2007) ;
9. M.P. Valderrama, E.R. Arriola,
Renormalization group analysis of boundary conditions in potential scattering,
nucl-th/07052952, (2007) ;

Internal Project Number 402

1. G. Tracz,
The secondary neutron sources for generation of particular neutron fluxes (in Polish),
IFJ Report, **1997/PN** (2007) ;
2. U. Woźnicka, (T. Cywicka-Jakiel, A. Drabina, D. Dworak, G. Tracz, K. Drozdowicz) et al.,
Geochemical and mineralogical models constructed on the base of data obtained from advanced nuclear geophysics methods. Part 1. (in Polish),
Raport IFJ, **2008/AP** (2007) ;

Internal Project Number 404

1. B. Petelenz, M. Szałkowski,
Suggestions for the upgrading of the internal target assembly for the AIC-144 cyclotron (in Polish),
Raport IFJ, **2005/AP** (2007) ;

Internal Project Number 407

1. C. Brandau, (Z. Stachura) et al.,
Recent progress in dielectronic recombination studies at the ESR,
GSI Scientific Report 2007-1, (2007) 249;
2. W.M. Kwiatek, J. Lekki, Z. Stachura, A.L. Hanson, J. Ablett,
Xanes and SR-XRF study of skin as a barrier to ultra-fine nanocrystals of TiO₂,
IFJ Report, **2009/AP** (2007) ;
3. R. Reuschl, (Z. Stachura) et al.,
State-selective studies of radiative recombination at ESR electron cooler,
GSI Scientific Report 2007-1, (2007) 248;

Internal Project Number 409

1. E. Kochowska,
Standard and nonstandard electroconvection in nematic liquid crystals (in Polish),
IFJ Report, **1999/PS** (2007) ;
2. W.M. Kwiatek, B. Kubica, E.M. Dutkiewicz, M. Bartyzel, J. Gołaś, R. Hajduk, T. Pieprzyca,
W. Reczyński, C. Sarnecki, M. Stobiński, Z. Szklarz, J. Wiltowska-Zuber,
Application of the PIXE method for the investigation processes of accumulation and transformation of chemical compounds in Dobczyce Lake sediments (in Polish),
Raport IFJ, **2007/AP** (2007) ;

3. J. Vaupotič, (K. Kozak, J. Mazur, E. Kochowska, R. Haber) et al.,
Soil gas radon potential on radon prone areas (in Slovenian),
Jozef Stefan Institute Report IJS-DP-9694, (2007) ;

Internal Project Number 410

1. P. Bilski, T. Horwacik,
Chapter 13: INP Kraków passive detectors,
Report "Results from the ICCHIBAN-3 and ICCHIBAN-4 Experiments to Intercompare the Response of Space Radiation Dosimeters", eds Y. Uchihori, E.R. Benton (Nat. Inst. Radiol. Sci, Japan), (2007) 167;

Internal Project Number 502

1. K. Daniel, R. Bochenek-Dobrowolski, K. Guguła, R. Grzybek, G. Janik, A. Kisielowski, B. Lipka, J. Molenda, T. Norys, W. Pyziół, M. Ruszel, B. Sałach, J. Sulikowski, A. Sroka, R. Tarczoń, L. Włodek,
Upgrade of the AIC-144 cyclotron to radiotherapy of eye melanoma. Part 3. Optimization the energy of protons beam. Renovation of the radio frequency generator (in Polish),
Raport IFJ, **2006/AP** (2007) ;
2. J. Dąbrowska, P. Olko, U. Sowa, J. Swakoń,
Optimization of the beam spreading system for the IFJ PAN proton radiotherapy facility by Monte Carlo simulations (in Polish),
IFJ Report, **1998/AP** (2007) ;

Internal Project Number 504

1. A. Czermak, P. Kuśmierski,
Development of a test system for n-XYTER ASICs,
CBM Progress Report 2006 in: GSI Report 2007-4, (2007) 50;

Popular Articles

1. A. Białas, A.M. Kobos,
Discovering fundamental laws of nature is of paramount importance (in Polish) ,
Po drogach uczonych, T. 1 (PAU Kraków); ISBN:978-83-601834-3-4, (2007) 39;
2. A. Budzanowski, A.M. Kobos,
Unity of physics laws is confirmed (in Polish) ,
Po drogach uczonych, T. 1 (PAU Kraków); ISBN:978-83-601834-3-4, (2007) 123;
3. J. Chruściel, W. Zając, A. Szytuła, K. Roleder,
Guest editors' note - Jerzy Antoni Janik - Scholar and Professor,
Phase Transit., **80** (2007) 469;
4. W. Czyż, A. Kobos,
About the physics, Jan Blaton and Tatra Mountains (in Polish) ,
Po drogach uczonych, T.1., (PAU, Kraków), ISBN: 978-83-601834-3-4, (2007) 173;
5. A. Eskreys, J. Figiel, L. Görlich, R. Hołyński, W. Janczur, J. Janik, M. Jeżabek, M. Massalska-Arodz, M. Różańska, M. Turała, W. Witko, W. Wolter, A. Zalewska, K. Zalewski et al.,
Marian Mięśowicz, Life and achievements, 1907-1992,
(wyd PAU), ed. A. Zalewska, (2007) ;
6. A. Hryniewicz,
Joint Institute for Nuclear Research after transformation (in Polish),
Postępy Techniki Jądrowej, **50** (2007) 2;
7. A. Hryniewicz, A.M. Kobos,
Internal driving force (in Polish) ,
Po drogach uczonych, T. 1 (PAU Kraków); ISBN:978-83-601834-3-4, (2007) 319;
8. J. Janik, A.M. Kobos,
Science and philosophy and religion (in Polish) ,
Po drogach uczonych, T. 1, (PAU, Kraków); ISBN: 978-83-601834-3-4, (2007) 345;
9. J.A. Janik,
On the cause/effect chain (in Polish),
"Nauka, Religia, Dzieje", XIV Seminarium z Castel Gandolfo, 24-26 września 2007, Lublin,
(wyd. Uniwersytet Jagielloński), (2007) 131;
10. J.W. Mietelski,
Radioactivity around us,
Academia, **3** (2007) 20;
11. M. Nowina-Konopka,
Janik's Friends Meeting Conference (in Polish),
Forum Akademickie, **10** (2007) 14;
12. M. Nowina-Konopka,
Collaboration with DESY (in Polish),
Forum Akademickie, **11** (2007) 12;
13. M. Nowina-Konopka,
Honorary Professor of the Jagiellonian University (in Polish),
Postępy Fizyki, **58** (2007) 140;
14. M. Nowina-Konopka,
The prof. Średniawa Jubilee (in Polish),
Postępy Fizyki, **58** (2007) 225;
15. M. Nowina-Konopka,
Conference at Lund (in Polish),
Postępy Fizyki, **58** (2007) 232;

16. M. Nowina-Konopka,
The M. Mięslowicz Prize (in Polish),
Postępy Fizyki, **58** (2007) 236;
17. M. Nowina-Konopka,
Eighty years of Professor Janik (in Polish),
Postępy Fizyki, **58** (2007) 267;
18. M. Nowina-Konopka,
Neutron scattering and complementary methods in investigations of condensed phase (in Polish),
Postępy Fizyki, **58** (2007) 269;
19. M. Nowina-Konopka,
The Maria Skłodowska-Curie Prize (in Polish),
Postępy Fizyki, **58** (2007) 284;
20. M. Nowina-Konopka,
Jagiellonian Laurel for Andrzej Szytuła (in Polish),
Postępy Fizyki, **58** (2007) 44;
21. M. Nowina-Konopka,
Krakow fair (in Polish),
Postępy Fizyki, **58** (2007) 45;
22. M. Nowina-Konopka,
The Henryk Niewodniczański Prize (in Polish),
Postępy Fizyki, **58** (2007) 92;
23. M. Nowina-Konopka,
Polish journalists visit JINP (in Polish),
Postępy Fizyki, **58** (2007) 94;
24. M. Nowina-Konopka, M. Turała,
Conference Physics for LHC (in Polish),
Postępy Fizyki, **58** (2007) 137;
25. M. Turała, A.M. Kobos,
Man keeps alive while working on a certain thing intensively (in Polish) ,
Po drogach uczonych, T. 2 (PAU, Kraków), ISBN: 978-83-60183-54-0, (2007) 471;
26. K. Zalewski, A.M. Kobos,
Twixt the physics of this epoch and the philosophy of the past one (in Polish) ,
Po drogach uczonych, T. 2, (PAU, Kraków), ISBN: 978-83-60183-54-0, (2007) 629;