

PUBLIKAČNÁ, PREDNÁŠKOVÁ a EDIČNÁ ČINNOSŤ za rok 2003

*pracovisko autora je uvedené pod čiarou, on leave a pod.

**práca je uvedená v pod 1. autorom

8. Kapitoly vo vedeckých monografiách vydaných v zahraničí

1. DIKO, P. Optical microscopy. Chapter D1.4. In *Handbook of Superconducting Materials. Vol. II: Characterization, Applications and Cryogenics*. Eds. David A Cardwell, David S Ginley. Bristol: IOP, 2003, p.1147-1175.

13. Vedecké práce v časopisoch evidovaných v Current Contents

2. HONDA, F. - ALSMADI, A. - NAKOTTE, H. - KAMARÁD, J. - SECHOVSKÝ, V. - LACERDA, A.H. - MIHALIK, M. Magnetoresistance of UPdSn and pressure effect. SCES 02: International Conference on Strongly Correlated Electron Systems, Cracow, Poland, July 10-13, 2002. In *Acta Physica Polonica B*. Vol.34, no.2, 2003, p.1197-1200. (0.473 - impakt faktor r. 2003)
3. BUČÍK, R. - KUDELA, K. On mass in 4p solid angle around song CsI scintillator aboard CORONAS-I satellite. In *Acta Physica Slovaca*. Vol.53, no.4, 2003, p.329-345. (0.579 - impakt faktor r. 2003)
4. BAŤKO, I. - FLACHBART, K. - KOHOUT, A. - MAŤAŠ, S. - MESCHKE, M. - SIEMENSMEYER, K. - SCHITSEVALOVA, N. - PADERNO, Y. Magnetic order in the fcc-symetry: phase diagram and structure of ReB₁₂. In *Applied Physics A - Materials Science & Processing*. Vol.74, Supplement, 2002, p.S829-S830. (2.231 - impakt faktor r. 2002)
5. BOGOMOLOV, A.V. - IGNAT EV, A.P. - KUDELA, K. - KUZNETSOV, S.N. - LOGACHEV, Yu.I. - MOROZOV, O.V. - MYAGKOVA, I.N. - OPARIN, S.N. - PERTSOV, A.A. - SVERTILOV, S.I. - YUSHKOV, B.Yu. Parameters of the Intense X-ray and Gamma-ray Radiation from the Solar Flare of May 20, 2002, as Observed from the Coronas-F Spacecraft. In *Astronomy Letters-A Journal of Astronomy and Space Astrophysics*. Vol.29, no.3, 2003, p.199-204 = Pisma v Astronomičeskij Žurnal. Vol.29, no.3, 2003, p.234-240. (0.968 - impakt faktor r. 2003)
6. ANTALÍK, M. - BÁGELOVÁ, J. - GAŽOVÁ, Z. - MUSATOV, A. - FEDUNOVÁ, D. Effect of varying polyglutamate chain length on the structure and stability of ferricytochrome c. In *Biochimica et Biophysica Acta - Proteins and proteomics*. Vol.1646, no.1-2, 2003, p.11-20. (1.602 - impakt faktor r. 2003)
7. BLECKI, J. - SAVIN, S. - ROTHKAEHL, H. - STASIEWICZ, K. - WRONOWSKI, R. - NEMECEK, Z. - ŠAFRÁNKOVÁ, J. - KUDELA, K. The role of wave-particle interactions in the dynamics of plasma in the polar cusp. In *Cosmic Research*. Vol.41, no.4, 2003, p.332-339. = Kosmičeskije issledovanija, 2003, t. 41, no. 4, p. 1-8 (0.299 - impakt faktor r. 2003)

8. SLIVKA, M. - KUDELA, K. Proton fluxes in the neutral sheet: a case study by the DOK2 on Interball-1. In *Czechoslovak Journal of Physics*. Vol.52, no.12, 2002, p.1357-1369. (0.311 - impakt faktor r. 2002)
9. NEMCHIK, J. Study of Color transparency in Electroproduction of Vector Mesons off Nuclei. Based on talk given at International Conference on High-Energy Interactions: Theory and Experiment (Hadron Structure '02), Herľany, Slovakia, 22-27 Sep 2002. In *Czechoslovak Journal of Physics*. Vol.53, 2003, p.301-319. e-Print Archive: hep-ph/0211237 (0.263 - impakt faktor r. 2003)
10. ŽOLDÁK, G. - ŠUŤÁK, R. - ANTALÍK, M. - SPRINZL, M. - SEDLÁK, E. Role of conformational flexibility for enzymatic activity in NADH oxidase from *Thermus thermophilus*. In *European Journal of Biochemistry*. Vol.270, no.24, 2003, p.4887-4897. (3.001 - impakt faktor r. 2003)
11. GLAGOLEV, V.V. - HLAVACOVA, J. - KHVASTUNOV, M.S. - LADYGINA, N.B. - MARTINSKA, G. - MUSINSKY, J. - PASTIRČÁK, B. - PISKUNOV, N.M. - SIEMIAREZUK, T. - URBÁN, J. Spin-dependent np $\rightarrow$ pn amplitude estimated from dp $\rightarrow$ ppn. In *European Physical Journal A*. Vol.15, no.4, 2002, p.471-475. (1.657 - impakt faktor r. 2002)
12. H1 Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurement of inclusive jet cross sections in photoproduction at HERA. DESY 02-225. Hamburg: DESY, 2003. In *European Physical Journal C*. Vol.29, no.4, 2003, p.497-513. hep-ex/0302034 (3.580 - impakt faktor r. 2003)
13. H1 Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurement and QCD Analysis of Neutral and Charged Current Cross Sections at HERA. DESY-03-038. Hamburg: DESY, 2003. In *European Physical Journal C*. Vol.30, 2003, p.1-32. hep-ex/0304003 (3.580 - impakt faktor r. 2003)
14. H1 Collaboration (AKTAS, A. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Multi-Electron Production at High Transverse Momenta in ep Collisions at HERA. DESY 03-082. Hamburg: DESY, 2003. 23 s. In *European Physical Journal C*. Vol.31, 2003, p.17-29. hep-ex/0307015 (3.580 - impakt faktor r. 2003)
15. HONDA, F. - ALSMADI, A.M. - SECHOVSKY, V. - KAMARAD, J. - NAKOTTE, H. - LACERDA, A.H. - MIHALIK, M. Effect of pressure on the electrical resistivity and magnetism in UPdSn. In *High Pressure Research*. Vol.23, no.1-2, 2003, p.177-180. (0.440 - impakt faktor r. 2003)
16. FARKAŠOVSKÝ, P. The spectral properties of the Falicov-Kimball model in the weak-coupling limit. In *International Journal of Modern Physics B*. Vol.17, no.10, 2003, p.2083-2093. (0.473 - impakt faktor r. 2003)
17. FARKAŠOVSKÝ, P. Momentum distribution of itinerant electrons in the one-dimensional Falicov-Kimball model. In *International Journal of Modern Physics B*. Vol.17, no.27, 2003, p.4897-4911. (0.473 - impakt faktor r. 2003)
18. TABACHNIKOVA, E.D. - BENGUS, V.Z. - CSACH, K. - MISKUF, J. - STOLYAROV, V.V. - VALIEV, R.Z. Observation of the shear failure mode in nanostructured titanium under quasistatic uniaxial compression at 300-4.2 K. EURODMAT 2003: 7th International Conference on Mechanical and Physical Behaviour of Materials under Dynamic Loading, Porto, Portugal September 8-10, 2003. In *Journal de Physique IV*. Vol.110, 2003, p.153-157. (0.319 - impakt faktor r. 2003)
19. BERLEV, A.E. - BOBROV, O.P. - CSACH, K. - KAVERIN, V.I. - KHONIK, V.A. - KITAGAWA, K. - MIŠKUF, J. - JURÍKOVÁ, A. Nonisothermal creep of bulk

- Zr_{52.5}Ti₅Cu_{17.9}Ni_{14.6}Al₁₀ metallic glass. In *Journal of Applied Physics*. Vol.92, no.10, 2002, p.5898-5903. (2.281 - impakt faktor r. 2002)
20. SI, P.Z. - ŠKORVÁNEK, I. - KOVÁČ, J. - GENG, D.Y. - ZHAO, X.G. - ZHANG, Z.D. Structure and magnetic of Gd nanoparticles and carbon coated Gd/GdC₂ nanocapsules. In *Journal of Applied Physics*. Vol.94, no.10, 2003, p.6779-6784. (2.171 - impakt faktor r. 2003)
 21. OSIPOV, V.A. - KOCHETOV, E.A. - PUDLÁK, M. Electronic structure of carbon nanoparticles. In *Journal of Experimental and Theoretical Physics*. Vol.96, no.1, 2003, p.140-149 = *Žurnal experimental'noj i teoretičeskoj fiziki*. Tom 123, no.1, 2003, p.161-171. (1.156 - impakt faktor r. 2003)
 22. CHANG, S.W. - SCUDDER, J.D. - KUDELA, K. - SPENCE, H.E. - FENNELL, J.F. - LEPPING, R.P. - LIN, R.P. - RUSSELL, C.T. Reply to comment on "MeV magnetosheath ions energized at the bow shock" by J. Chen, T. A. Fritz, and R. B. Sheldon. In *Journal of Geophysical Research - Space Physics*. Vol.108, no.A8, 2003, p.1312-1312. (2.992 - impakt faktor r. 2003)
 23. PUDLÁK, M. Primary charge separation in the bacterial reaction center: Validity of incoherent sequential model. In *Journal of Chemical Physics*. Vol.118, no.4, 2003, p.1876-1882. (2.950 - impakt faktor r. 2003)
 24. KISS, L.F. - KOVÁČ, J. - LOVAS, A. Influence of early stages of nanocrystallization on the low-temperature magnetic properties of nanocrystalline ribbons. In *Journal of Magnetism and Magnetic Materials*. Vol.254, Sp.Iss.SI, 2003, p.486-488. (0.910 - impakt faktor r. 2003)
 25. KAMASA, P. - BUZIN, A. - PYDA, M. - KOVÁČ, J. - CZIRÁKI, Á. - LOVAS, A. - BAKONYI, I. Temperature-modulated thermal and magnetic analysis of amorphous alloys around magnetic and structural phase transitions. In *Journal of Magnetism and Magnetic Materials*. Vol.257, no.2-3, 2003, p.274-283. (0.910 - impakt faktor r. 2003)
 26. ** NAROSKA, B. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- KURČA, T. --- MURIN, P. ---) Production of J / Ψ mesons at HERA. New Trends in HERA Physics 2001, Ringberg Castle, Tegernsee, Germany, 17-22 Jun 2001. In *Journal of Physics G*. Vol.28, no.5, 2002, p.997-1010. (1.399 - impakt faktor r. 2002)
 27. SHAKHOV, B.A. - STEHLÍK, M. The Fokker-Planck equation in the second-order pitch angle approximation and its exact solution. In *Journal of Quantitative Spectroscopy & Radiative Transfer*. Vol.78, no.1, 2003, p.31-39. (1.382 - impakt faktor r. 2003)
 28. GYÖRYOVÁ, K. - SZUNYOGOVÁ, E. - KOVÁŘOVÁ, J. - HUDECOVÁ, D. - MUDROŇOVÁ, D. - JUHÁSZOVÁ, E. Biological and physicochemical study of zinc(II) propionate complexes with N-donor heterocyclic ligands. In *Journal of Thermal Analysis and Calorimetry*. Vol. 72, no. 2 (2003), p. 587-596.
 29. SZUNYOGOVÁ, E. - GYÖRYOVÁ, K. - KOVÁŘOVÁ, J. - JUHÁSZOVÁ, E. Thermal behaviour of Zinc(II) carboxylate complexes with methyl-3-pyridyl carbamate. In *Journal of Thermal Analysis and Calorimetry*. Vol.71, no.3, 2003, p.967-976. (1.094 - impakt faktor r. 2003)
 30. BENGUS, V.Z. - TABAČNIKOVA, E.D. - NATSIK, V.D. - MIŠKUF, J. - CSACH, K. - STOLYAROV, V.V. - VALIJEV, R.Z. Low-temperature deformation and fracture of bulk nanostuctural titanium obtained by intense plastic deformation using equal channel angular pressing. In *Low Temperature Physics*. Vol.28, no.11, 2002, p.864-874. = *Fizika nizkich temperatur*. Vol.28, no.11, 2002, p.1211-1226. (0.767 - impakt faktor r. 2002)

31. KAREN, P. - JIRKOVSKÁ, M. - TOMORI, Z. - DEMJÉNOVÁ, E. - JANÁČEK, J. - KUBÍNOVÁ, L. Three-Dimensional Computer Reconstruction of Large Tissue Volumes Based on Composing Series of High-Resolution Confocal Images by GlueMRC and LinkMRC Software. In *Microscopy Research and Technique*. Vol.62, no.5, 2003, p.415-422. (2.307 - impakt faktor r. 2003)
32. PEKALA, K. - LATUCH, J. - PEKALA, M. - ŠKORVÁNEK, I. - JASKIEWICZ, P. Transport and magnetic properties of HITPERM alloys. TNT 2002: Trends un Nanotechnology, Santiago de Compostela, Spain, 9-13 September 2002. In *Nanotechnology*. Vol.14, no.2, 2003, p.196-199. (2.304 - impakt faktor r. 2003)
33. RIEDLER, P. - ANELLI, G. - ANTINORI, F. - BURNS, M. - BANICZ, K. - CALIANDRO, R. - CAMPBELL, M. - CASELLE, M. - CHOCHULA, P. - DINAPOLI, R. - EASO, S. - ELIA, D. - FORMENTI, F. - GIRONE, M. - GYS, T. - VAN HUNEN, J.J. - JUSKO, A. - KLUGE, A. - KRIVDA, M. - LENTI, V. - LUPTÁK, M. - MANZARI, V. - MEDDI, F. - MOREL, M. - RIGGI, F. - SNOYES, W. - STEFANINI, G. - WYLLIE, K. First results from the ALICE silicon pixel detector prototype. Prepared for 10th International Workshop on Vertex Detectors (Vertex 2001), Brunnen, Switzerland, 23-28 Sep 2001. In *Nuclear Instruments and Methods in Physics Research. Section A - Accelerators Spectrometers Detectors and Associated Equipment*. vol.501, no.1, 2003, p.111-118. (1.166 - impakt faktor r. 2003)
34. STELLBERGER, A. - FERENCEL, J. - KRIVÁŇ, F. - MEIER, K. - NIEDERMAIER, O. - NIX, O. - SCHMITT, K. - ŠPALEK, J. - STIEWE, J. - WEBER, M. The VLQ Calorimeter of H1 at HERA: A Highly Compact Device for Measurements of Electrons and Photons under Very Small Scattering Angles. Physics/0305070. In *Nuclear Instruments and Methods in Physics Research. Section A - Accelerators Spectrometers Detectors and Associated Equipment*. Vol.515, no.3, 2003, p.543-562. (1.166 - impakt faktor r. 2003)
35. ** MANZARI, V. for NA57 Collaboration ANTINORI, F. - BADALA, A. - BARBERA, R. - BELOGIANNI, A. - BHASIN, A. - BLOODWORTH, I.J. - BRUNO, G.E. - BULL, S.A. - CALIANDRO, R. - CAMPBELL, M. - CARENA, W. - CARRE, N. - CLARKE, R.F. - DAINESE, A. - DE HAAS, A.P. - DE RIJKE, P. - DI BARI, D. - DI LIBERTO, S. - DIVIA, R. - ELIA, D. - EVANS, D. - FAYAZZADEH, F. - FEDORISIN, J. - FEOFILOV, G.A. - FINI, R.A. - GANOTI, P. - GHIDINI, B. - GRELLA, G. - HELSTRUO, H. - HENRIQUEZ, M. - HOLME, A.K. - JACHOLKOWSKI, A. - JONES, G.T. - JOVANOVIC, P. - JUSKO, A. - KAMERMANS, R. - KINSON, J.B. - KNUDSON, K. - KOLOZHVARII, A.A. - KONDRATEV, V. - KRÁLIK, I. - KRAVČÁKOVÁ, A. - KUIJER, P. - LENTI, V. - LIETAVA, R. - LOVHOIDEN, G. - MARTINSKA, G. - MAZZONI, M.A. - MEDDI, F. - MICHALON, A. - MORANDO, M. - MUIGG, D. - NAPPI, E. - NAVACH, F. - NORMAN, P.I. - PALMERI, A. - PAPPALARDO, G.S. - PASTIRČÁK, B. - PISUT, J. - PISUTOVA, N. - POSA, F. - QUERCIGH, E. - RIGGI, F. - ROHRICH, D. - ROMANO, G. - ŠAFAŘÍK, K. - ŠÁNDOR, L. - SCHILLINGS, E. - SEGATO, G. - SENE, M. - SENE, R. - SNOYES, W. - SORAMEL, F. - SPYROPOULOU-STASSINAKI, M. - STAROBA, P. - TULINA, T.A. - TURRISI, R. - TVETER, T.S. - URBÁN, J. - VALIEV, F.F. - VAN DEN BRINK, A. - VAN DE VEN, P. - VANDE VYVRE, P. - VAN EIJNDHOVEN, N. - VAN HUNEN, J. - VASCOTTO, A. - VIK, T. - VILLABOLOS BAILLIE, O. - VINOGRADOV, I. - VIRGILI, T. - VOTRUBA, M.F. - VRLAKOVA, J. - ZAVADA, P. Hyperon Yields in Pb Pb Collisions from NA57 Experiment. QM 2002: 16th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2002, Nantes, France, 18-24 Jul 2002. In *Nuclear Physics A*. Vol.715, 2003, p.140-150. (1.761 - impakt faktor r. 2003)

36. ELIA, D. for NA57 Collaboration ** ANTINORI, F. - BADALA, A. - BARBERA, R. - BELOGIANNI, A. - BHASIN, A. - BLOODWORTH, I.J. - BRUNO, G.E. - BULL, S.A. - CALIANDRO, R. - CAMPBELL, M. - CARENA, W. - CARRER, N. - CLARKE, R.F. - DAINESE, A. - DE HAAS, A.P. - DE RIJKE, P. - DI BARI, D. - DI LIBERTO, S. - DIVIA, R. - EVANS, D. - FANEUST, K. - FAYAZZADEH, F. - FEDORISIN, J. - FEOFILOV, G.A. - FINI, R.A. - GANOTI, P. - GHIDINI, B. - GRELLA, G. - HELSTRUP, H. - HENRIQUEZ, M. - HOLME, A.K. - JACHOLKOWSKI, A. - JONES, G.T. - JOVANOVIĆ, P. - JUSKO, A. - KAMERMANS, R. - KINSON, J.B. - KNUDSON, K. - KOLOZHVARII, A.A. - KONDRATEV, V. - KRÁLIK, I. - KRAVČÁKOVÁ, A. - KUIJER, P. - LENTI, V. - LIETAVA, R. - LOVHOIDEN, G. - MANZARI, V. - MARTINSKÁ, G. - MAZZONI, M.A. - MEDDI, F. - MICHALON, A. - MORANDO, M. - NAPPI, E. - NAVACH, F. - NORMAN, P.I. - PALMERI, A. - PAPPALARDO, G.S. - PASTIRČÁK, B. - PISUT, J. - PISUTOVA, N. - POŠA, F. - QUERCIGH, E. - RIGGI, F. - ROHRICH, D. - ROMANO, G. - ŠAFAŘÍK, K. - ŠÁNDOR, L. - SCHILLINGS, E. - SEGATO, G. - SENE, M. - SENE, R. - SNOYES, W. - SORAMEI, F. - SPYROPOLOU-STASSINAKI, M. - STAROBA, P. - TULINA, T.A. - TURRISI, R. - TVETER, T.S. - URBÁN, J. - VALIEV, F.F. - VAN DEN BRINK, A. - VAN DE VEN, P. - VANDE VYVRE, P. - VAN EIJNDHOVEN, N. - VAN HUNEN, J. - VASCOTTO, A. - VIK, T. - VILLABOLOS BAILLIE, O. - VINOGRADOV, I. - VIRGILI, T. - VOTRUBA, M.F. - VRLAKOVA, J. - ZAVADA, P. Results on 40-A-GeV/C Pb Pb Collisions from the NA57 experiment. QM 2002: 16th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2002, Nantes, France, 18-24 Jul 2002. In *Nuclear Physics A*. Vol.715, 2003, p.514c-517c. (1.761 - impakt faktor r. 2003)
37. CHOCHULA, P. - ANTINORI, F. - ANELLI, G. - BURNS, M. - CAMPBELL, M. - CASELLE, M. - DINAPOLI, R. - ELIA, D. - FINI, R.A. - FORMENTI, F. - VAN HUNEN, J.J. - KAPUSTA, S. - KLUGE, A. - KRIVDA, M. - LENTI, V. - MANZARI, V. - MEDDI, F. - MOREL, M. - NILSSON, P. - PEPATO, A. - RIEDLER, P. - SANTORO, R. - STEFANINI, G. - WYLLIE, K. The ALICE silicon pixel detector. QM 2002: 16th International Conference on Ultrarelativistic Nucleus-Nucleus Collisions: Quark Matter 2002, Nantes, France, 18-24 Jul 2002. In *Nuclear Physics A*. Vol.715, 2003, p.849c-852c. (1.761 - impakt faktor r. 2003)
38. ** GERHARDS, R. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Charm and Beauty Production in Electron Proton Scattering at HERA. BEACH 2002: 5th International Conference on Hyperons, Charm and Beauty Hadrons, 25-29 June 2002, Vancouver, Canada. In *Nuclear Physics B - Proceedings Supplements*. Vol.115, 2003, p.126-130.(0.990 - impakt faktor r. 2003)
39. ** CARON, S. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Jet production at HERA. Proceedings of the QCD 02: Proceedings of the 9th High-Energy Physics International Conference on Quantum ChromoDynamics, Montpellier, France, 2 July - 9 July 2002. In *Nuclear Physics B - Proceedings Supplements*. Vol.121, 2003, p.29-32. hep-ex/0311018 (0.990 - impakt faktor r. 2003)
40. BOBIK, P. - STORINI, M. - KUDELA, K. - CORDARO, E.G. Cosmic-ray transparency for a medium-latitude observatory. In *Nuovo Cimento Della Societa Italiana de Fisica C - Geophysics and Space Physics*. Vol.26, no.2, 2003, p.177-189. (0.269 - impakt faktor r. 2003)

41. SZABÓ, P. - SAMUELY, P. - KAČMARČÍK, J. - KLEIN, T. - MARCUS, J. - JANSEN, A.G.M. Andreev reflection spectroscopy in MgB₂. In *Physica B - Condensed Matter*. Vol.328, no.1-2, 2003, p.10-14. (0.908 - impakt faktor r. 2002)
42. FISHER, S.N. - GUENAULT, A.M. - PICKETT, G.R. - SKYBA, P. A spin laser? The persistent processing domain in superfluid He-3-B at ultralow temperatures. Proceedings of the 23rd International Conference on Low Temperature Physics, Hiroshima, 20 - 27 August 2002. In *Physica B - Condensed Matter*. Vol.329-333, Part 1, 2003, p.80-81. (0.908 - impakt faktor r. 2003)
43. BARTKOWIAK, M. - HALEY, R.P. - FISHER, S.N. - GUENAULT, A.M. - PICKETT, G.R. - SKYBA, P. Superfluid He-3 A-B surface tension. Proceedings of the 23rd International Conference on Low Temperature Physics, Hiroshima, 20 - 27 August, 2002. In *Physica B - Condensed Matter*. Vol.329-333, Part 1, 2003, p.122-125. (0.908 - impakt faktor r. 2003)
44. KRABBES, G. - FUCHS, G. - VERGES, P. - DIKO, P. - STÖVER, G. - GRUSS, S. 16 T trapped fields in modified YBaCuO: materials aspects. In *Physica C - Superconductivity and its Applications*. Vol.378-381, 2002, p.636-640. (0.912 - impakt faktor r. 2003)
45. DIKO, P. - ZMORAYOVÁ, K. - GRANADOS, X. - SANDIUMENGE, F. - OBRADORS, X. Growth related Y₂BaCuO₅ Particle Concentration Micro-Inhomogeneity in the Growth Sectors of TSMG YBa₂Cu₃O₇/Y₂BaCuO₅ Bulk Superconductor. In *Physica C - Superconductivity and its Applications*. Vol.384, no.1-2, 2003, p.125-129. (1.192 - impakt faktor r. 2003)
46. WELP, U. - RYDH, A. - KARAPETROV, G. - KWOK, W.K. - CRABTREE, G.W. - MARCENAT, C. - PAULIUS, L.M. - LYARD, L. - KLEIN, T. - MARCUS, J. - BLANCHARD, S. - SAMUELY, P. - SZABÓ, P. - JANSEN, A.G.M. - KIM, K.H.P. - JUNG, C.U. - LEE, H.S. - KANG, B. - LEE, S.I. Superconducting phase diagram of single-crystal MgB₂. Review: Superconductivity in MgB₂: Electrons, Phonons and Vortices. In *Physica C - Superconductivity and its Applications*. Vol.385, no.1-2, 2003, p.154-161. Invited paper. (1.192 - impakt faktor r. 2003)
47. SAMUELY, P. - SZABÓ, P. - KAČMARČÍK, P. - KLEIN, T. - JANSEN, A.G.M. Point-contact spectroscopy of MgB₂. Review: Superconductivity in MgB₂: Electrons, Phonons and Vortices. In *Physica C - Superconductivity and its Applications*. Vol.385, no.1-2, 2003, p.244-254. Invited paper. (1.192 - impakt faktor r. 2003)
48. CENIGA, L. - DIKO, P. Matrix crack formation in Y-Ba-Cu-O superconductor. In *Physica C - Superconductivity and its Applications*. Vol.385, no.3, 2003, p.329-336. (1.192 - impakt faktor r. 2003)
49. SZABÓ, P. - SAMUELY, P. - KAČMARČÍK, J. - KLEIN, Th. - MARCUS, J. - FRUCHART, D. - MIRAGLIA, D. - MARCENAT, C. - JANSEN, A.G.M. Point-contact spectroscopy of MgB₂ in high magnetic fields. LT 23: Hiroshima, 20-27 August 2002. Poster. In *Physica C - Superconductivity and its Applications*. Vol.388-389, 2003, p.145-146. (1.192 - impakt faktor r. 2003)
50. DIKO, P. - SHLYK, L. - KRABBES, G. Ru assisted total 211 particle pushing in melt-grown Y123 superconductor. In *Physica C - Superconductivity and its Applications*. Vol.390, no.2, 2003, p.143-150. (1.192 - impakt faktor r. 2003)
51. KRAČUNOVSKÁ, S. - DIKO, P. - LITZKENDORF, D. - HABISREUTHER, T. - GAWALEK, W. The influence of the starting YBa₂Cu₃O_x powder on the microstructure

- of melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}/\text{Y}_2\text{BaCuO}_5$ bulks. In *Physica C - Superconductivity and its Applications*. Vol.397, no.3-4, 2003, p.123-131. (1.192 - impakt faktor r. 2003)
52. DIKO, P. - ZMORAYOVÁ, K. - HARI BABU, N. - CARDWELL, D.A. Shape change during solidification of bulk, single grain Y-Ba-Cu-O samples fabricated by top seeded melt growth. In *Physica C - Superconductivity and its Applications*. Vol.398, no.1-2, 2003, p.1-7.(1.192 - impakt faktor r. 2003)
 53. DIKO, P. - KRABBES, G. Formation of c-macrocracks during oxygenation of TSMG $\text{YBa}_2\text{Cu}_3\text{O}_7/\text{Y}_2\text{BaCuO}_5$ single-grain superconductors. In *Physica C - Superconductivity and its Applications*. Vol.399, no.3-4, 2003, p.151-157. (1.192 - impakt faktor r. 2003)
 54. TIMKO, M. - KOWALCZYK, A. - SZLAFEREK, A. - KOVÁČ, J. - ZENTKO, A. - TOLINSKI, T. - BRIANČIN, J. The influence of mechanical alloying on the structural and physical properties of YNi_4B compound. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.201-204. (0.950 - impakt faktor r. 2003)
 55. KOVÁČ, J. - BEDNARČÍK, J. - KOLLÁR, P. - KONČ, M. - POLANSKI, K. The magnetic properties and structure of $\text{Co}_{70.3}\text{Fe}_{4.7}\text{Si}_{10}\text{B}_{15}$ powder prepared by ball milling. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.209-212. (0.950 - impakt faktor r. 2003)
 56. ŠKORVÁNEK, I. - ŠVEC, P. - MARCIN, J. - KOVÁČ, J. - KRENICKÝ, T. - DEANKO, M. Nanocrystalline Cu-free HITPERM alloys with improved soft magnetic properties. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.217-220. (0.950 - impakt faktor r. 2003)
 57. SENDEK, M. - CSACH, K. - KAVEČANSKÝ, V. - LUKÁČOVÁ, M. - MARYŠKO, M. - MITRÓOVÁ, Z. - ZENTKO, A. Magnetic viscosity in vanadium chromicyanides. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol. 196, Part A, no.1, 2003, p.225-228. (0.950 - impakt faktor r. 2003)
 58. FÜZER, J. - KOLLÁR, P. - PETROVIČ, P. - TÓTH, I. - KAVEČANSKÝ, V. - KOVÁČ, J. - ŠVEC, T. The structure and magnetic properties of Fe-Si powder prepared by ball milling. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.229-231. (0.950 - impakt faktor r. 2003)
 59. LUKÁČOVÁ, M. - KISS, L.F. - MARYŠKO, M. - MIHALIK, M. - MITRÓOVÁ, Z. - STOPKA, J. - ZENTKO, A. - ZENTKOVÁ, M. New magnetic phenomena in vanadium hexacyanochromates. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.240-243. (0.950 - impakt faktor r. 2003)
 60. REIFFERS, M. - IDZIKOWSKI, B. - ILKOVIČ, S. - MÜLLER, K.H. Electron-quasiparticle interaction in the melt-spun cubic RECu_5 (RE - heavy rare earth). PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.286-289. (0.950 - impakt faktor r. 2003)

61. TOLINSKI, T. - CHELKOWSKA, G. - ANDRZEJEWSKI, B. - KOWALCZYK, A. - TIMKO, M. - KOVÁČ, J. XPS and magnetic studies of SmNi_4B compound. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.294-296. (0.950 - impakt faktor r. 2003)
62. ZENTKO, A. - BOKOR, M. - LUKÁČOVÁ, M. - MARYŠKO, M. - MIHALIK, M. - MITRÓOVÁ, Z. - ZENTKOVÁ, M. Magnetic Properties of $\text{Pr}(\text{Fe}(\text{CN})_6) \cdot 5\text{H}_2\text{O}$. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (a) - Applied Research*. Vol.196, Part A, no.1, 2003, p.340-343. (0.950 - impakt faktor r. 2003)
63. ŠKORVÁNEK, I. - KOVÁČ, J. - KÖTZLER, J. Nanocrystalline soft magnetic materials: intergrain coupling and spin freezing effects. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (b) - Basic Research*. Vol.236, Part B, no.2, 2003, p.303-309. Invited paper. (0.987 - impakt faktor r. 2003)
64. KOPČANSKÝ, P. - POTOČOVÁ, I. - KONERACKÁ, M. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. - JANSEN, A.M.G. The structural instabilities of ferronematic based on liquid crystal with low negative magnetic susceptibility. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (b) - Basic Research*. Vol.236, Part B, no.2, 2003, p.450-453. Invited paper. (0.987 - impakt faktor r. 2003)
65. KOPČANSKÝ, P. - TOMČO, L. - MARTON, K. - KONERACKÁ, M. - POTOČOVÁ, I. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. Dielectric breakdown strength in magnetic fluids. PM 02: Proceedings of the European Conference Physics of Magnetism, Poznań, Poland, 1-5 July 2002. In *Physica Status Solidi (b) - Basic Research*. Vol.236, Part B, no.2, 2003, p.454-457. Invited paper. (0.987 - impakt faktor r. 2003)
66. LYARD, L. - SAMUELY, P. - SZABÓ, P. - KLEIN, T. - MARCENAT, C. - PAULIUS, L. - KIM, K.H.P. - JUNG, C.U. - LEE, H.S. - KANG, B. - CHOI, S. - LEE, S.I. - MARCUS, J. - BLANCHARD, S. - JANSEN, A.G.M. - WELP, U. - KARAPETROV, G. - KWOK, W.K. Anisotropy of the Upper Critical Field and Critical Current in Single Crystal MgB_2 . In *Physical Review B*. Vol.66, no.18, 2002, p.R180502-1-4. (2.962 - impakt faktor r. 2003)
67. GABÁNI, S. - BAUER, E. - BERGER, S. - FLACHBART, K. - PADERNO, Y. - PAUL, C. - PAVLÍK, V. - SHITSEVALOVA, N. Pressure-induced Fermi-liquid behavior in the Kondo insulator SmB_6 : Possible transition through a quantum critical point. In *Physical Review B*. Vol.67, no.17, 2003, p.172406-1-4. (2.962 - impakt faktor r. 2003)
68. SAMUELY, P. - HOLANOVÁ, Z. - SZABÓ, P. - KAČMARČÍK, J. - RIBEIRO, R.A. - BUĐKO, S.L. - CANFIELD, P.C. Two-band/two-gap superconductivity in carbon-substituted MgB_2 evidenced by point-contact spectroscopy. In *Physical Review B*. Vol.68, no.2, 2003, p.020505-1-4. (2.962 - impakt faktor r. 2003)
69. BERLEV, A.E. - BOBROV, O.P. - KHONIK, V.A. - CSACH, K. - JURÍKOVÁ, A. - MIŠKUF, J. - NEUHÄUSER, H. - YAZVITSKY, M.Yu. The Viscosity of Bulk and ribbon Zr-based glasses well below and in the vicinity of T_g : A comparative study. In *Physical Review B*. Vol.68, no.13, 2003, p.132203-1-4. (2.962 - impakt faktor r. 2003)

70. NEMCHIK, J. Nuclear shadowing in deep-inelastic scattering: Numerical solution of evolution equation for the Green function. In *Physical Review C*. Vol.68, no.3, 2003, p.035206-1-13. (2.708 - impakt faktor r. 2003)
71. ANTONOV, N.V. - HNATICH, M. - HONKONEN, J. - JURČIŠIN, M. Turbulence with pressure: Anomalous Scalling of Vector Field. In *Physical Review E*. Vol.68, no.4, 2003, p.046306-1-25. (2.202 - impakt faktor r. 2003)
72. PUDLÁK, M. – PINČÁK, R. Modeling charge transfer in the photosynthetic reaction center. In *Physical Review E*. Vol. 68, no. 6, Part 1 (2003), p. 1901-1-7.
73. GAŽO, E. - KUPKA, M. - MEDEOVÁ, M. - SKYBA, P. Spin precession waves in superfluid He-3-B. In *Physical Review Letters*. Vol.91, no.5, 2003, p.055301-1-4. (7.035 - impakt faktor r. 2003)
74. PINČÁK, R. - OSIPOV, V.A. Localized electron states near pentagons in variously shaped carbon nanoparticles. In *Physics Letters A*. Vol.314, no.4, 2003, p.315-321. (1.324 - impakt faktor r. 2003)
75. KUPKA, M. - SKYBA, P. On the spin dynamics of He-3-B at the minimum of spatially nonuniform external magnetic field. In *Physics Letters A*. Vol.317, no.3-4, 2003, p.324-328. (1.324 - impakt faktor r. 2003)
76. H1 Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURÍN, P. -...-) Measurement of inclusive jet cross-sections in deep-inelastic ep scattering at HERA. DESY-02-079, Jun 2002. 21pp. In *Physics Letters B*. Vol.542, no.3-4, 2002, p.193-206. e-Print Archive: hep-ex/0206029 (4.066 - impakt faktor r. 2003)
77. H1 Collaboration (ANDREEV, V. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Isolated electrons and muons in events with missing transverse momentum at HERA. DESY 02-224. Hamburg: DESY, 2003. 23 s. In *Physics Letters B*. Vol.561, 2003, p.241-257. hep-ex/0301030 (4.066 - impakt faktor r. 2003)
78. H1 Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Search for new physics in $e^+p \rightarrow q$ contact interactions at HERA. DESY 03-052. Hamburg: DESY, 2003. In *Physics Letters B*. Vol.568, no.1-2, 2003, p.35-47. hep-ex/0305015 (4.066 - impakt faktor r. 2003)
79. H1 Collaboration (AKTAS, A. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Diffractive Photoproduction of J/ψ Mesons with Large Momentum Transfer at HERA. DESY 03-061. Hamburg: DESY, 2003. 21 s. In *Physics Letters B*. Vol.568, no.3-4, 2003, p.205-218. hep-ex/0306013 (4.066 - impakt faktor r. 2003)
80. BRADNOVA, V. - CHERNYAVSKY, M.M. - JUST, L. - KHARLAMOV, S.P. - KOVALENKO, A.D. - HAIDUC, M. - KOTEĽNIKOV, K.A. - KRASNOV, V.A. - LARIONOVA, V.G. - LEPEKHIN, F.G. - MALAKHOV, A.I. - ORLOVA, G.I. - PERESADKO, N.G. - POLUKHINA, N.G. - RUKOYATKIN, P.A. - RUSAKOVA, V.V. - SALMANOVA, N.A. - SIMONOV, B.B. - VOKAL, S. - ZARUBIN, P.I. Beryllim (Boron) Clustering Quest in Relativistic Multifragmentation (BECQUEREL Project). In *Physics of Atomic Nuclei*. Vol.66, no.9, 2003, p.1646-1650 = *Jadernaja Fizika*. vol.66, no.9, 2003, p.1694-1698. (0.467 - impakt faktor r. 2003)
81. BENGUS, V.Z. - TABAČNIKOVA, E.D. - NATSIK, V.D. - MIŠKUF, J. - CSACH, K. - STOLYAROV, V.V. - VALIEV, R.Z. Mechanical Behavior at 300-4.2 K of Bulk Nanostructured Titanium Processed by Severe Plastic Deformation. In *Physics of Metals and Metallography*. Vol.94, Suppl.1, 2002, p.S11-S23. (0.462 - impakt faktor r. 2002)

82. BÁNÓ, M. - STRHÁRSKY, I. - HRMO, I. A viscosity and density meter with a magnetically suspended rotor. In *Review of Scientific Instruments*. Vol.74, no.11, 2003, p.4788-4793. (1.343 - impakt faktor r. 2003)
83. KUZNETSOV, S.N. - BOGOMOLOV, A.V. - DENISOV, Yu.I. - KORDYLEWSKI, Z. - KUDELA, K. - KURT, V.G. - LISIN, D.V. - MYAGKOVA, I.N. - PODOROĽSKII, A.N. - PODOSENOVA, T.B. - SVERTILOV, S.I. - SYLWESTER, J. - STEPANOV, A.I. - YUSHKOV, B.Yu. The Solar Flare of November 4, 2001, and Its Manifestations in Energetic Particles from Coronas-F Data. In *Solar System Research*. Vol.37, 2003, p.121-127 = *Astronomičeskij Vestnik*. Vol.37, 2003, p.137-143. (0.221 - impakt faktor r. 2003)
84. DIKO, P. - KRABBES, G. Macro-cracking in melt-grown YBaCuO superconductor induced by surface oxygenation. In *Superconductor Science & Technology*. Vol.16, no.1, 2003, p.90-93. (2.247 - impakt faktor r. 2003)
85. SZABÓ, P. - SAMUELY, P. - KAČMARČÍK, J. - JANSEN, A.G.M. - KLEIN, T. - MARCUS, J. - MARCENAT, C. Andreev-reflection study in MgB₂. BOROMAG: International Workshop on Superconductivity in Magnesium Diboride and Related Materials, Genoa, Italy, 17-19 June 2002. In *Superconductor Science and Technology*. Vol.16, no.2, 2003, p.162-166. (2.247 - impakt faktor r. 2003)
86. LYARD, L. - SAMUELY, P. - SZABÓ, P. - MARCENAT, C. - KLEIN, T. - KIM, K.H.P. - JUNG, C.U. - LEE, H.S. - KANG, B. - CHOI, S. - LEE, S.I. - PAULIUS, L. - MARCUS, J. - BLANCHARD, S. - JANSEN, A.G.M. - WELP, U. - KARAPETROV, G. - KWOK, W.K. Upper critical magnetic fields in single crystal MgB₂. BOROMAG: International Workshop on Superconductivity in Magnesium Diboride and Related Materials, Genoa, Italy, 17-19 June 2002. In *Superconductor Science and Technology*. Vol.16, no.2, 2003, p.193-198. (2.247 - impakt faktor r. 2003)

14. Vedecké práce v ostatných časopisoch

Iné databázy

87. GRACHEV, E. - GRIGORYAN, O. - JUCHNIEWICZ, J. - KLIMOV, S. - KUDELA, K. - PETROV, A. - ŠTETIAROVÁ, J. Low Energy Protons on L<1.15 in 500-1500 km Range. In *Advances in Space Research*. Vol.30, no.7, 2002, p.1841-1845. (0.448 - impakt faktor r. 2002) (wos)
88. KLIMOV, S.I. - GRUSHIN, V.A. - LISSAKOV, Yu.I. - NOZDRACHEV, M.N. - PETRUKOVICH, A.A. - GRACHEV, E.A. - GRIGORYAN, O.R. - LISSAKOV, D.S. - SCHWINGENSCHUH, K. - AUSTER, H.U. - FORNACON, K.H. - RUSTENBACH, J. - KOREPANOV, V.E. - JUCHNIEWICZ, J. - AFANASYEV, Yu.A. - KUDELA, K. Interball-1 and MIR Orbital Station Coordinated Magnetic Field and Energetic Particles Measurements. In *Advances in Space Research*. Vol.30, no.7, 2002, p.1847-1853. (0.448 - impakt faktor r. 2002) (wos)
89. KUZNETSOV, S.N. - KUDELA, K. - RYUMIN, S.P. - GOTSSELYUK, Y.V. Coronas-F Satellite: Tasks for Study of Particle Acceleration. In *Advances in Space Research*. Vol.30, no.7, 2002, p.1857-1863. (0.448 - impakt faktor r. 2002) (wos)

90. ANAGNOSTOPOULOS, G.C. - SARRIS, E.T. - KUDELA, K. - VANDAS, M. Simultaneous spectral variation of energetic ions in the nightside magnetosphere and upstream from the bow shock. Proceedings of 5th Hellenic Astronomical Conference, Session 2: Solar, Planetary and Space Physics, 20-22 September 2001, Crete, Greece. In *Advances in Space Research*. Vol.30, no.10, 2002, p.2253-2258. (0.448 - impakt faktor r. 2002) (Wos)
91. KUDELA, K. - LUTSENKO, V.N. - SIBECK, D.G. - SLIVKA, M. Energetic ions upstream of the Earth's bow shock: Interball-1 survey. In *Advances in Space Research*. Vol.30, no.12, 2002, p.2731-2736. (0.448 - impakt faktor r. 2002) (Wos)
92. BUČÍK, R. - KUDELA, K. - DMITRIEV, A.V. - KUZNETSOV, S.N. - MYAGKOVA, I.N. - RYUMIN, S.P. Spatial distribution of low energy gamma-rays associated with trapped particles. In *Advances in Space Research*. Vol.30, no.12, 2002, p.2843-2848. (0.448 - impakt faktor r. 2002) (Wos)
93. KUDELA, K. - LUTSENKO, V.N. - SIBECK, D.G. - SLIVKA, M. - GRETCHKO, T.V. - SARRIS, E.T. High Energy Particle Dispersion Events Observed by Interball-1 and 2. In *Advances in Space Research*. Vol.30, no.12, 2002, p.2849-2854. (0.448 - impakt faktor r. 2002) (Wos)
94. McKENNA-LAWLOR, S. - KUDELA, K. - KECSKEMÉTY, K. - CHANG, S.W. Spacecraft measurements of ions and electrons(>40 keV) near and far upstream of the Earth's bow shock. In *Advances in Space Research*. Vol.31, no.4, 2003, p.933-938. (0.483 - impakt faktor r. 2003) (Wos)
95. LAŠTOVIČKA, J. - KRIŽAN, P. - KUDELA, K. Cosmic rays and total ozone at higher middle latitudes. In *Advances in Space Research*. Vol.31, no.9, 2003, p.2139-2144. (0.483 - impakt faktor r. 2003) (Wos)
96. KUPKOVÁ, M. - KUPKA, M. - STROBL, S. - KHATIBI, G. - KABÁTOVÁ, M. - DUDROVÁ, E. Effective flexural moduli of bars containing cellular-material layer, and the use of this moduli for determining the effective elastic moduli of a cellular material. In *Metalurgija*. Vol.42, 2003, p.95-98. (0.100 - impakt faktor r. 2003) (Wos)
97. MITRŮOVÁ, Z. - ZENTKO, A. - TRPČEVSKÁ, J. - LUKÁČOVÁ, M. - CSACH, K. - BOKOR, M. Rare Earth Ferricyanides. In *Solid State Phenomena*. Vol.90-91, 2003, p.85-90. (0.687 - impakt faktor r. 2003) (Wos)
98. BENGUS, V.Z. - TABAČNIKOVA, E.D. - NATSIK, V.D. - MIŠKUF, J. - CSACH, K. - STOLYAROV, V.V. - VALIJEV, R.Z. Nizkotemperaturnaja deformacija i razrušenje objemnogo nanostrukturnogo titana, polučennogo intensivnoj deformacije s pomoščju ravnokanal'nogo uglovogo pressovanija. In *Fizika nizkich temperatur*. Vol.28, no.11, 2002, p.1211-1226 = Low Temperature Physics. Vol.28, no.11, 2002, p.864-874. (Scopus)
99. KOZLOV, V.I. - MARKOV, V.V. - STARODUBCEV, S.A. - TURPANOV, A.A. - KUDELA, K. - LANGER, R. - NIKOLAEV, V.S. - GRIGORJEV, V.G. - PRICHODKO, A.N. Nazemnyj monitoring kosmičeskich lučej i prognoz kosmičeskoj pogody na geoeffektivnoj faze raspada 23-go cikla solnečnoj aktivnosti. In *Izvestija akademii nauk, serija fizičeskaja*. Tom 67, no.4, 2003, p.519-520. (Scopus)
100. TUREK, I. - ŠTELINA, J. - MUSIL, C. - KOPČANSKÝ, P. - KONERACKÁ, M. - TIMKO, M. - POTOČOVÁ, I. - JURÍKOVÁ, A. - TOMČO, L. Light induced thermodiffusion in magnetic fluids. 5th International PAMIR Conference, Ramatuelle, France, September 16-20, 2002. In *Magnetohydrodynamics*. Vol.39, no.3, 2003, p.375-382. (Scopus)

101. * KRABBES, G. - DIKO, P. - WENDE, C. - HOPFINGER, Th. - FUCHS, G. (RE) BaCuO/Ag Composites: The Role of Silver in Bulk Materials and Joints. In *Tsinghua Science and Technology*. Vol.8, no.3, 2003, p.251-265. (Scopus)

Iné

102. MARTON, K. - TOMČO, L. - KOPČANSKÝ, P. - KONERACKÁ, M. - TIMKO, M. Štúdium dynamiky magnetických častíc v magnetických kvapalinách v predprieraznej oblasti pri súčasnom pôsobení magnetického poľa. Medzinárodná vedecká konferencia "Aplikovaná Magnetimetria 2003", 9.-10.10.2003, VLA Košice. In *Acta Avionica*. Roč.5, č.8/supl, 2003, p.7-11.
103. KARDOŠ, S. - SOMORA, M. - FLACHBART, K. - GABÁNI, S. - PAVLÍK, V. - TRPČEVSKÁ, J. Vlastnosti hrubovrstvových RuO₂ rezistorov pripravených modifikovanou technológiou. (Properties of RuO₂ Resistors Prepared by Modified Technology). In *Acta Electrotechnica et Informatica*. Vol.3, no.1, 2003, p.57-59.
104. TURČÁNIOVÁ, Ľ. - CSACH, K. - KÁDAROVÁ, J. - BEŽOVSKÁ, M. - MUĽOVÁ, M. - VAŠEK, J. - MARTINEC, P. - LOVÁS, M. - ZNAMENÁČKOVÁ, I. Termometrické štúdium alternatívnych práškových palív. In *Acta Mechanica Slovaca*. No.3, 2003, p.235-242.
105. TUREK, I. - ŠTELINA, J. - MUSIL, C. - KOPČANSKÝ, P. - TIMKO, M. - KONERACKÁ, M. - POTOČOVÁ, I. - JURÍKOVÁ, A. - TOMČO, L. The light induced thermodiffusion in magnetic fluids. In *Annals of University of Petrosani, Physics*. Vol.5 (2003), p.3-14.
106. KUZNETSOV, S.N. - BOGOMOLOV, A.V. - DENISOV, Yu.I. - KORDYLEWSKI, Z. - KUDELA, K. - KURT, V.G. - LISIN, D.V. - MYAGKOVA, I.N. - PODOROŠKII, A.N. - PODOSENOVA, T.B. - SVERTILOV, S.I. - SYLWESTER, J. - STEPANOV, A.I. - YUSHKOV, B.Yu. The Solar Flare of November 4, 2001, and Its Manifestations in Energetic Particles from Coronas-F Data. In *Astronomičeskij Vestnik*. Vol.37, 2003, p.137-143 = Solar System Research. Vol.37, 2003, p.121-127.
107. SPURNÝ, F. - DAČEV, C. - KUDELA, K. Increase of onboard aircraft exposure level during a solar flare. In *Bezpečnosť jadrovej energie*. Roč.11(49), č.3/4, 2003, s.103-107.
108. BRADNOVA, V. - CHERNYAKOVSKY, M.M. - JUST, L. - HAIDUC, M. - KHARLAMOV, S.P. - KOVALENKO, A.D. - KRASNOV, V.A. - LARIONOVA, V.G. - MALAKHOV, A.I. - ORLOVA, G.I. - PERESADKO, N.G. - POLUKHINA, N.G. - RUKOYATKIN, P.A. - RUSAKOVA, V.V. - SALMANOVA, N.A. - VOKÁL, S. - ZARUBIN, P.I. Nuclear Clustering Quest in Relativistic Multifragmentation. Few-Body Problems in Physics 02: Proceedings of the 18th European Conference on Few-Body Problems in Physics, Bled, Slovenia, September 8-14, 2002. In *Few-Body Systems*. Suppl. 14, 2003, p.241-244. (1.034 - impakt faktor r. 2003)
109. ROTHKAEHL, H. - KUDELA, K. - KLOS, Z. - BUČÍK, R. The global distribution of RF emission and low energy gamma ray fluxes in the topside ionosphere. EGS-AGU Meeting, Nice, France, April 2003. In *Geophysical Research Abstracts*. Vol.5, 2003, p.05257.
110. SABBAH, I. - KUDELA, K. - AL JASAAR, H.K. - RYBANSKÝ, M. Dependence of the cosmic ray intensity upon solar coronal hole area. EGS-AGU Meeting, Nice, France, April 2003. In *Geophysical Research Abstracts*. Vol.5, 2003, p.08367.
111. BRADNOVA, V. - CHERNYAVSKY, M.M. - JUST, L. - KHARLAMOV, S.P. - KOVALENKO, A.D. - HAIDUC, M. - KOTEĽNIKOV, K.A. - KRASNOV, V.A. -

- LARIONOVA, V.G. - LEPEKHIN, F.G. - MALAKHOV, A.I. - ORLOVA, G.I. - PERESADKO, N.G. - POLUKHINA, N.G. - RUKOYATKIN, P.A. - RUSAKOVA, V.V. - SALMANOVA, N.A. - SIMONOV, B.B. - VOKAL, S. - ZARUBIN, P.I. Beryllim (Boron) Clustering Quest in Relativistic Multifragmentation (BECQUEREL Project). In *Jadernaja Fizika*. Vol.66, no.9, 2003, p.1694-1698 = *Physics of Atomic Nuclei*. Vol.66, no.9, 2003, p.1646-1650.
112. SENDEK, M. - LUKÁČOVÁ, M. - KOVÁČ, J. - KAVEČANSKÝ, V. - MIHALIK, M. - MITRÓOVÁ, Z. Magnetic properties of Fe, Co and Ni nitroprussides. In *Journal of Electrical Engineering*. Vol.53, no.10/S, 2002, p.199-201.
113. ŠEBEK, J. - MIHALIK, M. - SYSHCHENKO, O. - ZENTKOVÁ, M. Magnetic Phase Transitions in $U_3Al_2Si_3$. Proceedings of ACTINIDE 2001 International Conference. In *Journal of Nuclear Science and Technology*. Suppl.3, 2002, p.176-179. (0.572 - impakt faktor r. 2002)
114. BLECKI, J. - SAVIN, S. - ROTHKAEHL, H. - STASIEWICZ, K. - WRONOWSKI, R. - NEMECEK, Z. - ŠAFRÁNKOVÁ, J. - KUDELA, K. Roľ vzaimodejstvij volna-častica v dinamike plazmy poljarnogo kaspaa.. In *Kosmičeskie issledovanija*, 2003, t. 41, no. 4, p. 1-8. = *Cosmic Research*. Vol.41, no.4, 2003, p.332-339. (0.299 - impakt faktor r. 2003)
115. JÓZEF CZAK, A. - SKUMIEL, A. - LABOWSKI, M. - TIMKO, M. - GIERCZYK, N. Ultrasonic and magnetic study of physiology based magnetic fluid. In *Molecular and Quantum Acoustics*. Vol.23, 2002, p.193-199.
116. BOGOMOLOV, A.V. - IGNAŤIEV, A.P. - KUDELA, K. - KUZNECOV, S.N. - LOGAČEV, Ju.I. - MOROZOV, O.V. - MJAGKOVA, I.N. - OPARIN, S.N. - PERCOV, A.A. - SVERTILOV, S.I. - YUŠKOV, B.Ju. Charakteristiki intensivnogo rentgenovskogo i gamma-izlučenij solnečnoj vspyški 20 maja 2002 g. po dannym nabljudenij na kosmičeskoj stanciji KORONAS - F. In *Pisma v Astronomičeskij Žurnal*. 2003, vol. 29, no. 3, p. 234-240 = *Astronomy Letters-A Journal of Astronomy and Space Astrophysics*. Vol.29, no.3, 2003, p.199-204.
117. OSIPOV, V.A. - KOCHETOV, E.A. - PUDLÁK, M. Electronic structure of carbon nanoparticles. In *Žurnal experimental'noj i teoretičeskoj fiziki*. Tom 123, no.1, 2003, p.161-171 = *Journal of Experimental and Theoretical Physics*. Vol.96, no.1, 2003, p.140-149.
118. ANTONOV, N.V. - HNATICH, M. - HONKONEN, J. - JURČIŠIN, M. Turbulence with pressure. In *Preprint of Erwin Schrodinger International Institute of Mathematical Physics*, 2003, no.1313.

15a. Vedecké práce v zborníkoch recenzovaných

119. MACH, M. - PIETRIKOVÁ, A. - GABÁNI, S. - PAVLÍK, V. - FLACHBART, K. - ORENDÁČOVÁ, A. - ORENDÁČ, M. Low Temperature Micro-Calorimeters Based on Thick Film Resistors. In *ISSE 2003: 26th International Spring Seminar on Electronics Technology, May 8-11, 2003, Stará Lesná, Slovak Republic*. p.352-354.
120. KARDOŠ, S. - SOMORA, M. - GABÁNI, S. - PAVLÍK, V. - FLACHBART, K. - TRPČEVSKÁ, J. Low Temperature Properties of RuO_2 - based Resistors Prepared Under Various Technology Conditions. In *ISSE 2003: 26th International Spring Seminar on Electronics Technology, May 8-11, 2003, Stará Lesná, Slovak Republic*. p. 482-484.

121. TABACHNIKOVA, E.D. - BENGUS, V.Z. - NATSIK, V.Z. - MACHT, M. - MIŠKUF, J. - CSACH, K. Low temperature plastic behavior of the $Zr_{46.8}Ti_{8.2}Cu_{7.5}Ni_{10}Be_{27.5}$ bulk amorphous alloy. In *Proceedings of the International Conference "Science for Materials in the Frontier of Centuries: Advantages and Challenges"*, November 4-8, 2002, Kiev, Ukraine. Vol.2. p.454-455.
122. KUPKOVÁ, M. - KUPKA, M. - WEISS, B. - DUDROVÁ, E. - KABÁTOVÁ, M. Changes in character of porosity and corresponding elastic properties of sintered iron as a consequence of various compacting pressures. In *FRAC TOGRAPHY 2003: Proceedings of the International Conference, November 9-12, 2003, Stará Lesná, High Tatras, Slovak Republic*. Košice: IMR SAS, 2003. p.415-418.
123. MIŠKUF, J. - CSACH, K. - OCELÍK, V. - BENGUS, V. - TABACHNIKOVA, E. - MOLOKANOV, V. Porušenie amorfného kovového skla $Zr_{50}Ti_{16.5}Cu_{15}Ni_{18.5}$ v tvare pásky. In *FRAC TOGRAPHY 2003: Proceedings of the International Conference, November 9-12, 2003, Stará Lesná, High Tatras, Slovak Republic*. Košice: IMR SAS, 2003. p. 433-436.
124. CSACH, K. - MIŠKUF, J. - OCELÍK, V. - TABACHNIKOVA, E. - BENGUS, V. - MOLOKANOV, V. Lom masívnej amorfnej zliatiny $Pd_{40}Cu_{30}Ni_{10}P_{20}$ pri nízkoteplotnom šmykovom porušení v tlaku. In *FRAC TOGRAPHY 2003: Proceedings of the International Conference, November 9-12, 2003, Stará Lesná, High Tatras, Slovak Republic*. Košice: IMR ŽSAS, 2003. p.437-440.
125. PETRUCCI, M.C. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Leading Baryon Production at HERA. In *EDS 2001: Proceedings of 9th Blois Workshop on Elastic and Diffractive Scattering, Průhonice near Prague, Czech Republic, June 9-15, 2001*. 2002. p.29-34.
126. ** OLSSON, J. for H1 Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Search for Odderon induced contributions to exclusive p^0 Photoproduction at HERA. In *EDS 2001: Proceedings of 9th Blois Workshop on Elastic and Diffractive Scattering, Průhonice near Prague, Czech Republic, June 9-15, 2001*. 2002. p.231-237.
127. NA57 Collaboration (ANTINORI, F. -...- JUSKO, A. -...- KRÁLIK, I. -...- PASTIRČÁK, B. -...- ŠAFARÍK, K. -...- ŠÁNDOR, L. -...-) Hyperon yields in Pb-Pb collisions from the NA57 experiment. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.74-76. Parallel Sessions.
128. ** DIACONU, C. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Multi-lepton Production at High Transverse Momentum in ep collisions at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.224-227. Parallel Sessions.
129. ** ZHANG, Z. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Structure function results from H1. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.251-254. Parallel Sessions.
130. ** SUTTON, M.R. for ZEUS and H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Jet production in deep inelastic scattering at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference*

on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002. Amsterdam: Elsevier Science B.V., 2003. p. 300-303. Parallel Sessions.

131. ** GRINDHAMMER, G. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Jets and Prompt Photons in Photoproduction at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.304-307. Parallel Sessions.
132. ** GRAB, Ch. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Charm Production at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.325-328. Parallel Sessions.
133. ** CHIOCHIA, V. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Latest measurements of beauty quark production at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.329-331. Parallel Sessions.
134. ** JUNG, H. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Parton dynamics and identified particles at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.352-354. Parallel Sessions.
135. ** SCHILLING, F.P. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Inclusive Diffraction at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.403-407. Parallel Sessions.
136. ** SAVIN, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Diffractive charm and jet production at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.408-410. Parallel Sessions.
137. ** SCHMIDKE, W.B. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Leading Baryons at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.411-413. Parallel Sessions.
138. ** BRUNI, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Diffractive production of vector mesons at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.414-419. Parallel Sessions.
139. ** BERNDT, T. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Odderon and Pomeron Physics in Multi-Photon Final States at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.440-442. Parallel Sessions.

140. ** TOVEY, D.R. for ATLAS and CMS Collaboration (-...- BÁN, J. -...- BRUNCKO, D. -...- CHYTRÁČEK, R. -...- JUSKO, A. -...- KLADIVA, E. -...- SEMAN, M. -...- STRÍŽENEC, P. -...-) Searches for New Physics at the LHC. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p. 770-773. Parallel Sessions.
141. ** DINGFELDER, J. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Searches for signatures of physics beyond the Standard Model with high- P_T leptons at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.785-788. Parallel Sessions.
142. ** BELLAGAMBA, L. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Excited fermions and other searches at HERA. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.789-791. Parallel Sessions.
143. ** PERRODO, P. for ATLAS Collaboration (-...- BÁN, J. -...- BRUNCKO, D. -...- CHYTRÁČEK, R. -...- JUSKO, A. -...- KLADIVA, E. -...- SEMAN, M. -...- STRÍŽENEC, P. -...-) The ATLAS liquid argon calorimetry system. LAPP-EXP-2002-3,CERN-OPEN-2003-019. In *ICHEP 2002: Proceedings of the 31st International Conference on High Energy Physics, Amsterdam, The Netherlands, 25-31 July 2002*. Amsterdam: Elsevier Science B.V., 2003. p.909-912. Parallel Sessions.
144. ** DUPREL, C. for H1 and ZEUS Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Proton structure functions at HERA. In *HADRON STRUCTURE 2002: Proceedings of the International Conference, Herľany, Slovak Republic, 22-27 September 2002*. Košice: UPJŠ, 2003. p.87-101.
145. ** HALL-WILTON, R.J. for H1 and ZEUS Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Charm and Beauty Productiona at HERA. In *HADRON STRUCTURE 2002: Proceedings of the International Conference, Herľany, Slovak Republic, 22-27 September 2002*. Košice: UPJŠ, 2003. p.102-116.
146. ** FIGIEL, J. for H1 and ZEUS Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Vector meson production at HERA. In *HADRON STRUCTURE 2002: Proceedings of the International Conference, Herľany, Slovak Republic, 22-27 September 2002*. Košice: UPJŠ, 2003. p.117-131.
147. BRUNCKO, D. - GINTNER, M. - MELO, I. Strong Electroweak Symmetry Breaking in $e^+e^- \rightarrow n\bar{n}$ anti- $n\bar{n}$ t anti-t. In *HADRON STRUCTURE 2002: Proceedings of the International Conference, Herľany, Slovak Republic, 22-27 September 2002*. Košice: UPJŠ, 2003. p.251-257.
148. NEMCHIK, J. Study of Color Transparency in Production of Vector Mesons off Nuclei. In *HADRON STRUCTURE 2002: Proceedings of the International Conference, Herľany, Slovak Republic, 22-27 September 2002*. Košice: UPJŠ, 2003. p.273-279. e-print Archive: hep-ph/211237
149. ** LEVY, A. for H1 and ZEUS Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Measurements of diffractive processes at HERA. In *HCP 2002: 14th Topical Conference on Hadron Collider Physics, 29 Sep - 4 Oct 2002, Karlsruhe, Germany*. p.173-183. hep-ex/0301022

150. McKENNA-LAWLOR, S.M.P. - DRYER, M. - SMITH, Z. - KECSKEMÉTY, K. - FRY, C.D. - SUN, W. - DEEHR, C.S. - BERDICHEVSKY, D. - KUDELA, K. - ZASTENKER, G. Real time predictions of three numerical models of the arrival at the Earth of eleven flare/halo CME associated shocks compared with spacecraft measurements. In *Proceedings of Space Weather Workshop: Looking Towards a Future European Space Weather Programme, ESA/ESTEC 17-19 December 2001*. Noordwijk, The Netherlands, 2003.
151. KUDELA, K. - XUE, B. - LE, G. - MIAO, J. - ANDREJKOVÁ, G. Geomagnetic activity onset predictions: Problems with possible signatures in cosmic rays. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.575-578. Prednáška.
152. BOBIK, P. - BOSCHINI, M. - GERVASI, M. - GRANDI, D. - KUDELA, K. - MICELOTTA, E. - RANCOITA, P.G. Cosmic ray spectrum at 1 AU: a transmission function approach to the magnetosphere. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.633-636. Prednáška.
153. BOBIK, P. - GERVASI, M. - GRANDI, D. - RANCOITA, P.G. - USOSKIN, I.G. 2D stochastic simulation model of cosmic ray modulation: Comparison with experimental data. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.637-640. Prednáška.
154. FEDOROV, Yu. - HNATÍČ, M. - JURČIŠIN, M. - SHAKHOV, B. - STEHLÍK, M. Proton acceleration by the alpha-effect in MHD turbulence. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.645-648.
155. FEDOROV, Yu. - STEHLÍK, M. Distribution function of energetic particles in the radial regular magnetic field. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p. 653-654.
156. KECSKEMÉTY, K. - KUDELA, K. - McKENNA-LAWLOR, S. Characteristics of upstream particle fluxes near and far from the earth's bow shock. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.667-670. Prednáška.
157. KOZLOV, V. - KUDELA, K. - STARODUBTSEV, S. - TURPANOV, A. - USOSKIN, I. - YANKE, V. Neutron monitor data base in real time. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003*. Noordwijk: ESTEC, ESA Publications Division, 2003. p.675-678. Prednáška.
158. KURILCHIK, V. - PROKUDINA, V. - KUDELA, K. - SLIVKA, M. The study of relations between kilometric radiobursts and energetic electrons during powerful solar flares: INTERBALL-1. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment,*

Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Noordwijk: ESTEC, ESA Publications Division, 2003. p.679-682. Prednáška.

159. KUZNETSOV, S.N. - KUDELA, K. - MYAGKOVA, I.N. - YUSHKOV, B.Yu. X-ray and GAMMA-emission solar flare catalogue obtained by SONG on board CORONAS-F satellite. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Noordwijk: ESTEC, ESA Publications Division, 2003. p.683-686. Prednáška.*
160. KUZNETSOV, S.N. - KUDELA, K. - MYAGKOVA, I.N. - YUSHKOV, B.Yu. Gamma and X-ray Solar Flare Emissions: CORONAS-F Measurements. In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p3183-3186. Session SH1.1, vol.6.*
161. KOZLOV, V. - KSENOFONTOV, L. - KUDELA, K. - STARODUBTSEV, S. - TURPANOV, A. - USOSKIN, I. - YANKE, V. REal-time COsmic Ray Database (RECORD). In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p.3473-3476. Session SH1.5, vol.6.*
162. DORMAN, L.I. - SHAKHOV, B.A. - STEHLÍK, M. The second order pitch-angle approximation for the cosmic ray Fokker-Planck kinetic equations. In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p.3535-3538. Session SH2.1, vol.6.*
163. KUDELA, K. - STORINI, M. Cosmic Ray variability around the geomagnetic disturbances. In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p.3589-3592. Session SH2.2, vol.6.*
164. MIYASAKA, H. - KUDELA, K. - SHIMODA, S. - YAMADA, Y. - SAKAMOTO, E. - MUNAKATA, K. - YUDA, T. - TAN, Y.H. - ZHANG, J.L. - TANG, Y.Q. - LU, H. - HU, H.B. - LABACIREN - MENG, X.R. - YUAN, A.F. Geomagnetic Cutoff Variation Observed with TIBET Neutron Monitor. In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p.3609-3612. Session SH2.2, vol.6.*
165. STORINI, M. - MASSETTI, S. - KUDELA, K. - RYBÁK, J. On the Shape of Cosmic Ray Modulation during Even- and Odd-numbered Solar Activity Cycles. In *ICRC 2003: 28th International Cosmic Ray Conference, Tsukuba, Japan, July 31 - August 7, 2003. Tokyo: Universal Academy Press, Inc., 2003. p.4095-4098. Session SH3.4, vol.7.*
166. KUDELA, K. - BALÁŽ, J. - STRHÁRSKY, I. Energetic Particle Monitoring in Space: Three decades of experience at IEP SAS. In *RAST 2003: Proceedings of the International Conference on Recent Advances in Space Technologies, November 20-22, 2003, Istanbul, Turke. p.173-178, 2003.*
167. PINČÁK, R. - PUDLÁK, M. Electron transfer and quantum yields of charge separation in bacterial photosynthetic reaction centers. European Conference of Mathematical and Theoretical Biology, Milano, 2-6 jul 2002. In *Mathematical Modelling & Computing in Biology and Medicine. The MIRIAM Project Series, Progetto Leonardo. Bologna: ESCULAPIO Pub. Co., 2003. p.434.*
168. KOPČANSKÝ, P. - POTOČOVÁ, I. - KONERACKÁ, M. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. - JANSEN, A.M.G. The structural transitions in thermotropic

ferronematics. In *5th Small Triangle Meeting on Theoretical Meeting, Medzev, September 2-4, 2003*. Košice: ÚEF SAV, 2003. p.5-8. Prednáška.

169. CKHETIANI, O. - HNATIČ, M. - JURČIŠIN, M. - MAZINO, A. - REPAŠAN, M. Influence of helicity on transport processes in stochastic environments. In *5th Small Triangle Meeting on Theoretical Meeting, Medzev, September 2-4, 2003*. Košice: ÚEF SAV, 2003. p.9-12. Prednáška.
170. HNATIČ, M. - JURČIŠIN, M. - JURČIŠINOVÁ, E. - STEHLÍK, M. Scaling regimes of a passive scalar advected by the turbulent velocity field with finite correlation time and anisotropy. In *5th Small Triangle Meeting on Theoretical Meeting, Medzev, September 2-4, 2003*. Košice: ÚEF SAV, 2003. p.13-17. Prednáška.

15b. Vedecké práce v zborníkoch nerecenzovaných

171. KUDELA, K. Variabilita kozmického žiarenia a kozmické počasie. In *16. Celoštátny slnečný seminár, Turčianske Teplice, June 2002*. Hurbanovo: Slovenská ústredná hviezdáreň, 2002. p.186-195.
172. KUDELA, K. Vzťahy kozmického žiarenia a kozmického počasia. (A kozmikus sugárzás és kozmikus időjárás összefüggései). In *Veda na oboch brehoch Dunaja: Prednášky z konferencie Naše spoločné akademické výskumy. (Maď. názov - Tudomány a Duna két partján: Az akadémiai közös kutatásaink. Című konferencián elhangzott előadások)*. Bratislava: Kalligram, 2003. s. 87-88, (maď. verzia p.14-15). Edícia Dialógy (Dialógus könyvek).
173. KUDELA, K. Kozmické žiarenie a slnečné rádiové emisie: príklady porovnania (Cosmic Rays and Solar Radio Emissions: Examples of Comparison). In *Zborník referátov prednesených na 1. seminári a výstave Mikrovlnová a bezdrôtová technika 2003 (Microwave and Wireless Technology 2003), Košice, 30.-31.mája 2003*. Košice: Pobočka SES pri FEI TU, 2003. s.45-50.
174. DORČÁK, V. - MADR, P. - ŠESTÁKOVÁ, I. - VESELÁ, V. Behaviour of cysteine and small cysteine-containing peptides at positively charged surface of mercury electrodes. In *Moderní elektrochemické metody: Sborník přednášek z 23. konference, Jetřichovice, 20.-22.5. 2003*. Praha: Česká společnost chemická, 2003. p.101-102.

17. Prednášky a vývesky na vedeckých podujatiach s min. 30% zahraničnou účasťou

Pozvané prednášky

175. ŠKORVÁNEK, I. Soft magnetic nanocrystalline Fe(Co)NbB alloys: Intergrain coupling versus temperature. In *NATO/ARW Workshop PROSIZE, June 9-13 2003, Budmerice-Castle, Slovakia*. Pozvaná prednáška.

176. DIKO, P. - KRABBES, G. Craks in TSMG REBCO superconductors and their elimination. In *EUCAS 2003: 6th European Conference on Applied Superconductivity, 14-18 September 2003, Sorrento Napoli - Italy*. Vyžiadaná prednáška.
177. LYARD, L. - SAMUELY, P. - SZABÓ, P. - et al. Critical fields in MgB₂. In *Joint 9th international Workshop on Vortex Dynamics and Vortex Matter (ESF), June 22nd - 27th, 2003, France, Oléron Island*. Pozvaná prednáška.
178. SZABÓ, P. - SAMUELY, P. - KAČMARČÍK, J. - JANSEN, A.G.M. Andreev reflection in MgB₂. In *Workshop Open questions in understanding the superconducting and normal state properties of MgB₂, University Rome, La Sapienza, Italy, 2 July 2003 - 4 July 2003*. Pozvaná prednáška.
179. ŠÁNDOR, L. for NA57 Collaboration (ANTINORI, F. -...- BOMBARA, M. -...- KRÁLIK, I. -...- PASTIRČÁK, B. -...- ŠAFARÍK, K. -...- ŠÁNDOR, L. -...-) Hyperon production at the CERN SPS: results from the NA57 experiment. In *SQM 2003: 7th International Conference on Strangeness in Quark Matter, Atlantic Beach, North Carolina, Marec 2003*. Pozvaná prednáška. Prijaté J.Phys.G: Nucl.Part.Phys.
180. ŠÁNDOR, L. Strange baryon production in Pb-Pb interactions at the CERN SPS. In *ISMD: 33th International Symposium on Multiparticle Dynamics, Krakow, Poland, September 2003*. Pozvaná prednáška. Prijaté Acta Phys.Pol.B.
181. ŠÁNDOR, L. Hyperon production from the NA57 experiment. In *RHIC SCHOOL 2003: 3rd Budapest Winter School on Heavy Ion Physics, December 8 - 11, 2003, Budapest, Hungary*. Pozvaná prednáška.
182. ŠÁNDOR, L. Physics with heavy liquid bubble chamber - lessons and heritage. In *Jubilejná konferencia k nedožitým 90. narodeninám prof. v.p.Dželepova, Dubna, apríl 2003*. Dubna: SÚJV, Lab. jadrových problémov, 2003. Pozvaná prednáška.
183. KUDELA, K. Kosmické počasí a energetické kosmické častice. In *Seminár "Človek vo svojom pozemskom a kozmickom prostredí", Úpice, ČR, 20.-22.máj 2003*. Pozvaný prehľadový referát.
184. KUDELA, K. Solar neutron observations: contibution of IEP SAS to the study. In *International mini-conference at the Symposium Hall of Nagoya university, July 28th to 30th 2003*. Invited paper. Tlač v knihe Cosmic Rays and Dark Matter, Universal Academy Press. Eds. Y. Muraki, J.P.Nagoya.
185. KOPČANSKÝ, P. - POTOČOVÁ, I. - KONERACKÁ, M. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. - JANSEN, A.G.M. Ferronematics-liquid crystals doped with fine magnetic particles. In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24 2003, India, New Delhi*. Abstracts, p. 8-11. Pozvaná prednáška. Prijaté Indian Journal of Engineering and Materials Science.
186. KOPČANSKÝ, P. - POTOČOVÁ, I. - TIMKO, M. - KONERACKÁ, M. - JANSEN, A.M.G. - JADZYN, J. - CZECHOWSKI, G. The structural transitions in ferro-nematics in combined electric and magnetic fields. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 5X. Roma: 2003. Poster 5X-pm-18, p.757. Pozvaná prednáška.
187. DEMJENOVÁ, E. Interactive Segmentation of AFM Images. In *Séminaire de Physique de la Matière Vivante, Université de Lausanne, Institut de Physique de la Matière Condensee, 19 Mai 2003*. Invited talk.

188. ANTALÍK, M. Cytochrome C. conformational transitions. In *Séminaire de Physique de la Matière Vivante, Université de Lausanne, Institut de Physique de la Matière Condensée, 26 Mai 2003*. Invited talk.

Prednášky a vývesky

189. TIMKO, M. - KONERACKÁ, M. - KOPČANSKÝ, P. - VÉKAS, L. - JÓZSEFCZAK, A. - SKUMIEL, A. - RADENOVIC, A. - DIETLER, G. - BYSTRENOVÁ, E. Complex characterization of physiology solution based magnetic fluid. In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24, 2003, India, New Delhi*. Abstracts, p.16-18. Prijaté Indian Journal of Engineering and Materials Sciences.
190. PANT, R.P. - SURI, D.K. - SOOD, K.N. - DHAWAN, S.K. - KONERACKÁ, M. - KOPČANSKÝ, P. - TIMKO, M. - TOMČO, L. Synthesis and polymerization of ferrofluids nano-particles in high T_c superconductor (BSCCO). In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24, 2003, India, New Delhi*. Abstracts, p.64.
191. PANT, R.P. - DHAWAN, S.K. - SURI, D.K. - ARORA, M. - GUPTA, S.K. - KONERACKÁ, M. - KOPČANSKÝ, P. - TIMKO, M. Synthesis and characterization of ferrofluid - conducting polymer composite. In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24, 2003, India, New Delhi*. Abstracts, p. 73. Prijaté Indian Journal of Engineering and materials Sciences.
192. MARTON, K. - TOMČO, L. - KONERACKÁ, M. - KOPČANSKÝ, P. - TIMKO, M. O dynamike častíc v magnetických kvapalinách v predprieraznej oblasti pri súčasnom pôsobení magnetického poľa. In *ELEKTROENERGETIKA 2003: 5. Medzinárodná vedecká konferencia Electric Power Engineering, Január 28.-29., 2003 Ostrava*.
193. DIKO, P. Microstructure of TSMG REBCO. Prezentácia skupiny "Masívne vysokoteplotné supravodiče". In *1st SCENET-2 Working Group meeting, WG 1.c: High critical current superconductors for applications, 13-16 March 2003, Hotel Edenroc, San Feliu de Guixols, Spain*. Prednáška.
194. ŠKORVÁNEK, I. - ŠVEC, P. - KRENICKÝ, T. - KOVÁČ, J. - MARCIN, J. - JANIČKOVIČ, D. Microstructure and magnetic properties of (Fe_{1-x}Co_x)₈₁Nb₇B₁₂ (x=0, 0.25, 0.33, 0.5) nanocrystalline alloys. In *INTERMAG-2003, March 30 - April 3, 2003, Boston, USA*. Digest AD-02.
195. DIKO, P. - SHLYK, L. - KRABBES, G. - BABU, H. - CARDWELL, D. New inert phases in YBCO TSMG bulks. In *EFFOR Consortium Meeting, Laboratoire de Cristallographie, Creta, 25 avenue des Martyrs, 38042 Grenoble CEDEX 9 - France, 4.4.-6.4. 2003*. Prednáška.
196. ZMORAYOVÁ, K. - DIKO, P. - BABU, H. - CARDWELL, D. Particle macro-inhomogeneity in TSMG YBCO with DU additions. In *EFFORT Consortium Meeting, Laboratoire de Cristallographie, Creta, 25 avenue des Martyrs, 38042, Grenoble CEDEX 9 - France, 4.4.-6.4. 2003*. Prednáška.
197. PROKEŠ, K. - NAKOTTE, H. - SECHOVSKY, V. - MIHALIK, M. On the magnetic structure of UIrGe. In *33^{emes} Journées des Actinides, Prague, 27-29 April 2003*. Programme and Abstracts, P-06.

198. MAŤAŠ, S. - MIHALIK, M. - MIHALIK, M. - PROKEŠ, K. Magnetic, transport and electronic properties of UNi_2 . In *33^{emes} Journées des Actinides, Prague, 27-29 April 2003*. Programme and Abstracts, P-36.
199. KRAČUNOVSKÁ, S. - DIKO, P. - LITZKENDORF, D. - HABISREUTHER, T. - BIERLICH, J. - GAWALEK, W. Oxygenation and cracking of TSMG YBCO. In *4th International Workshop on Processing a Applications of Superconducting (RE)BCO Large Grain Materials (PASREG), 30 June - 2 July 2003, Jena, Germany*. Poster.
200. ZENTKOVÁ, M. - ZENTKO, A. - SENDEK, M. - KOVÁČ, J. - LUKÁČOVÁ, M. - MITRŮOVÁ, Z. - MIGLIERINI, M. Magnetic and Mössbauer study of some transition metal based nitroprussides. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1S. Roma: 2003, poster 1S-pm-25, p.78.
201. KOVÁČ, J. - MARYŠKO, M. - MITRŮOVÁ, Z. - *SENDEK, M. - ZENTKO, A. - ZENTKOVÁ, M. Magnetic properties of molecular-based $\text{TM}_2^{\text{II}}[\text{Mo}^{\text{IV}}(\text{CN})_8]_n \text{H}_2\text{O}$ magnets. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1S. Roma: 2003, poster 1S-pm-32, p.79.
202. TOADER, A. - ADAMS, E.D. - BOYKO, V. - GOFF, J. - GODFRIN, H. - MAŤAŠ, S. - MESCHKE, M. - ROGER, M. - SAUNDERS, J. - SCHANEN, R. - SCHUBERTH, E.A. - SHANNON, N. - SHERLINE, T.E. - SIEMENSMEYER, K. - TAKANO, Y. Neutron scattering from solid ^3He . In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1S. Roma: 2003, poster 2S-am-15, p.200.
203. ŠKORVÁNEK, I. - KOVÁČ, J. - KÖTZLER, J. Temperature evolution of coercive field and thermal relaxation effects nano-crystal-line FeNbB alloys. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1S. Roma: 2003, poster 5V-pm-20, p.741.
204. TIMKO, M. - KONERACKÁ, M. - KOPČANSKÝ, P. - VEKAS, L. - LITA, M. - JÓZEFČZAK, A. - SKUMIEL, A. - RADENOVIC, A. - DIETLER, G. - BYSTRENOVÁ, E. The physical properties of the biocompatible ionic stabilized magnetic fluids. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 5X. Roma: 2003, poster 5X-pm-24, p.758.
205. BYSTRENOVÁ, E. - RADENOVIC, A. - LIBIOULLE, L. - DIETLER, G. Importance of substrate for biological imaging by AFM at low temperature. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P01, p.59.
206. ŠAFAŘIK, K. - PTÁČKOVÁ, L. - ŠAFAŘIKOVÁ, M. - KONERACKÁ, M. - TIMKO, M. - KOPČANSKÝ, P. Detection and determination of enzyme inhibitors with magnetically modified enzymes. In *55. zjazd chemických spoločností, 8 - 12.9. 2003*.
207. ŠKORVÁNEK, I. - ŠVEC, P. - MARCIN, J. Nanocrystalline FeCoZrB alloys with improved soft magnetic properties at elevated temperatures. In *16th Soft Magnetic Materials Conference, September 9-12, 2003, Düsseldorf, Germany*.

208. ŠKORVÁNEK, I. - KRENICKÝ, T. - KOVÁČ, J. - ŠVEC, P. - OEHRING, M. - GERLING, R. Magnetic and mechanical properties of amorphous and nanocrystalline $(\text{Fe}_{1-x}\text{Co}_x)_{81}\text{Nb}_7\text{B}_{12}(x=0, 0.25, 0.33, 0.5)$ alloys. In *16th Soft Magnetic Materials Conference, September 9-12, 2003, Düsseldorf, Germany*.
209. ŠKORVÁNEK, I. - KOVÁČ, J. Magnetocaloric behaviour in amorphous and nanocrystalline FeNbB soft magnetic alloys. In *16th Soft Magnetic Materials Conference, September 9-12, 2003, Düsseldorf, Germany*.
210. KRAČUNOVSKÁ, S. - DIKO, P. - LITZKENDORF, D. - HABISREUTHER, T. - BIERLICH, J. - GAWALEK, W. Oxygenation and the formation of macro-cracks in melt-textured YBaCuO superconductors. In *EUCAS 2003: 6th European Conference on Applied Superconductivity, 14-18 September 2003, Sorrento Napoli - Italy*. Poster.
211. ZMORAYOVÁ, K. - DIKO, P. - CARRILO, A.E. - SANDIUMENGE, F. - OBRADORS, X. The Quantitative Analysis of 211 Particle Distribution in Melt-Grown Y123/211 Bulk Superconductors. In *EUCAS 2003: 6th European Conference on Applied Superconductivity, 14-18 September 2003, Sorrento, Napoli - Italy*. Poster.
212. ŠEFČÍKOVÁ, M. - DIKO, P. Crystalization of $\text{YBa}_2\text{Cu}_3\text{O}_x$ from Y_2BaCuO_5 + melt mixture at higher cooling rates. In *4th SCENET school on Superconducting Materials and Applications, Institut d'Études Scientifiques de Cargèse, Corse, France 6 - 18.10.2003*. Prednáška.
213. DIKO, P. - SHLIK, L. - KRABBES, G. Cyclic growth of Y123/211 single-grain bulk superconductors with Ru, Zn/Li additions. In *EFFORT Consortium Meeting, 17. - 19.10. 2003, IRC in Superconductivity Cambridge, UK*. Prednáška.
214. ZMORAYOVÁ, K. - DIKO, P. - HARI BABU, N. - CARDWELL, D.A. The influence of the addition of depleted uranium on particle pushing in the melt-processed YBCO bulks. In *PASREG 2003, Jena*.
215. SKYBA, P. Rozprávka o supratekutých fázach hélia 3. In *Letná škola fyziky nízkych teplôt, Pec pod Sněžkou, 13.5 - 15.5. 2003*. Prednáška.
216. SAMUELY, P. - HOĽANOVÁ, Z. - KAČMARČÍK, J. - SZABÓ, P. - et al. Energy gaps in carbon substituted MgB_2 . In *Materials and Mechanisms of Superconductivity - High Temperature Superconductivity VII, Rio de Janeiro, 22. - 29.5. 2003*. Prednáška.
217. REIFFERS, M. - ILKOVIČ, S. - ZORKOVSKÁ, A. - BAUER, E. Point-contact properties of non-Fermi liquid compound $\text{YbCu}_{3.5}\text{Al}_{1.5}$. In *ESF International Workshop on Fermi liquid instabilities in correlated metals (Ferlin), Drážďany, 11-13 Jun 2003*. Prednáška.
218. SAMUELY, P. Two band superconductivity. In *DRFMC: Seminár Ústavu fyziky kondenzovaných látok, CEA Grenoble, 18.6.2003*. Prednáška.
219. SAMUELY, P. Two band/two gap superconductivity of pure and carbon-substituted MgB_2 . In *Seminár Ústavu fyziky tuhých látok, Université de Lausanne, 20.6.2003*. Prednáška.
220. SAMUELY, P. - HOĽANOVÁ, Z. - KAČMARČÍK, J. - SZABÓ, P. - et al. Two band/two gap superconductivity of pure and carbon-substituted MgB_2 . In *Joint 9th International Workshop on Vortex Dynamics and Vortex Matter (ESF), June 22nd - 27th, 2003, France, Oléron Island*. Poster.
221. SKYBA, P. Perzistentne precesujúca domena - analog Unruhovho efektu v supratekutom $^3\text{He-B}$? In *1st Joint COSLAB-VORTEX-BEC2000 and 3rd COSLAB*

Workshop, zasadnutie Steering Committee projektu COSLAB, 10.7.-16.7.2003, Bilbao, Bilbao University, Spain. Prednáška.

222. REIFFERS, M. - DELLA MEA, M. - BAUER, E. Pressure and field effects on spin fluctuations in CeNi₅. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 1U-pm-25, p.104.
223. REIFFERS, M. - IDZIKOWSKI, B. - ILKOVIČ, S. - SEBEK, J. ILER, K.H.M. Resistivity and magnetoresistance of cubic YbCu₅ prepared by melt spinning technique. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 1U-pm-38, p.107.
224. ORENDÁČ, M. - ORENDÁČOVÁ, A. - FEHER, A. - PARK, J.H. - ČIŽMÁR, E. - GAMBLE, S.J. - GABÁNI, S. - FLACHBART, K. - POIRIER, M. - MEISEL, M.W. Specific heat of CsNiF₃ in magnetic field perpendicular to the easy plane. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 2Q-pm-06, p.272.
225. REIFFERS, M. - ILKOVIČ, S. - ZORKOVSKÁ, A. - BAUER, E. Point-contact properties of non-fermi liquid compound YbCu_{3.5}Al_{1.5}. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 2S-pm-11, p.291.
226. MICHOR, H. - BAUER, E. - BERGER, St. - DUSEK, C. - GABÁNI, S. - HILSCHER, G. - ROGL, P. - CHEVALIER, B. - ETORNEAU, J. - KÖNIG, R. - KILLER, U. - SCHEIDT, E.W. Heavy-fermion quantum critical point behaviour in the stoichiometric compound CeNi₉Ge₄. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 2S-pm-23 p.294.
227. ANDRIANOV, A.V. - SAVELEVA, O.A. - GABÁNI, S. - BAUER, E. Magnetic phase diagram of Y_xGd_{1-x} under hydrostatic pressure. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 4U-am-15, p.438.
228. KOHOUT, A. - CZOPNIK, A. - *FLACHBART, K. - MEISSNER, M. - PADERNO, Y. - SHITSEVALOVA, N. - SIEMENSMEYER, K. Magnetic phase diagram of HoB₁₂. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 4U. Roma: 2003, poster 4U-am-33, p.443.
229. GABÁNI, S. - BAUER, E. - BERGER, S. - FLACHBART, K. - PADERNO, Y. - PAUL, C. - PAVLÍK, V. - SHITSEVALOVA, N. Insulator - metal quantum phase transition in SmB₆. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 1U. Roma: 2003, poster 4W-am-06, p.457.

230. SAMUELY, P. - SZABÓ, P. - KLEIN, T. - JANSEN, A.G.M. Andreev reflection spectroscopy of superconductors in the vortex state. In *VORTEX: III European Conference on Vortex Matter in Superconductors, Crete, September 20-28, 2003*. Abstract book. ESF: 2003, abstr. THU.04, p.80. Prednáška.
231. HOLÁNOVÁ, Z. - KAČMARČÍK, J. - SAMUELY, P. - SHEIKIN, I. - RIBEIRO, R.A. - BUĐKO, S.L. - CANFIELD, P.C. Critical fluctuations in the carbon-doped magnesium diboride In *VORTEX: III European Conference on Vortex Matter in Superconductors, Crete, September 20-28, 2003*. Abstract book. ESF: 2003, abstr. PI-XC.02, p.134. Poster.
232. TABACHNIKOVA, E.D. - MACHT, M. - MIŠKUF, J. - CSACH, K. Deformation instabilities in bulk amorphous alloys. In *Symposium BB: Material Instabilities and Patterning in Metals, 17.-18.april 2001, Swiss federal inst. of technology, Villigen-Switzerland*. 2002. p.452, poster BB3.4.
233. BENGUS, V.Z. - MIŠKUF, J. - CSACH, K. - STOLYAROV, V. - VALIEV, R. Ductile catastrophic shear failure through adiabatic shear banding under uniaxial compression of nanostructured titanium, manufactured by severe plastic deformation. In *Symposium: Material Instabilities and Patterning in Metals, 17.-18.april 2001, Swiss federal inst. of technology, Villigen-Switzerland*. 2002. p.453, poster BB3.7.
234. TABACHNIKOVA, E.D. - BENGUS, V.Z. - NATSIK, V.D. - CSACH, K. - MIŠKUF, J. - STOLYAROV, V.V. - VALIEV, R.Z. Deformation and failure of nanostructured Titanium at at 300-4.2 K. In *NATO-Advanced Study Institute "Synthesis, Functional Properties and Applications of Nanostructures", July 26. - August 4. 2002, Heraklion, Crete, Greece*. Book of Abstracts, p. 78.
235. KAVEČANSKÝ, V. - ROGL, P.F. - NOEL, H. - MIHALIK, M. - WOCHOWSKI, K. - TROC, R. X-ray investigation of $\text{Th}_3\text{M}_2\text{M}^\circ_3$ alloys. In *33^{emes} Journées des Actinides, Prague, 27-29 April 2003*. Programme and Abstracts, P-25.
236. TABACHNIKOVA, E. - NATSIK, V. - CSACH, K. - MIŠKUF, J. - STOLYAROV, V. - GUNDAREV, D. - VALIEV, R. Peculiarities of Low Temperature Deformation and Failure of Coarse-Grained and Nanostructured Ti. In *Ti-2003: 10th World Conference on Titanium, July 13-18, 2003, Hamburg, Germany*. Session: 06A-3, L9.10.
237. TABACHNIKOVA, E.D. - NATSIK, V. - MACHT, M. - MIŠKUF, J. - CSACH, K. Plastic Deformation Instabilities in Bulk Amorphous Alloys. In *ICSMA-13: 13th International Conference on the Strength of Materials, Fundamental Aspects of the Deformation and Fracture of Materials, Budapest, Hungary, August 25 - 30, 2003*. Poster session, P-8d-03.
238. TABACHNIKOVA, E.D. - BENGUS, V.Z. - CSACH, K. - MIŠKUF, J. - STOLYAROV, V. - VALIEV, R.Z. Observation of the shear failure mode in nanostructured titanium under quasistatic uniaxial compression at 300-4.2 k. In *DYMAT 2003: 7th International Conference on Mechanical and physical behaviour of materials under dynamic loading, September 8-12, 2003, Porto - Portugal*. I-26.
239. KAVEČANSKÝ, V. - MAŤAŠ, S. - MIHALIK, M. - MITRÓOVÁ, Z. - LUKÁČOVÁ, M. Crystal structure of $\text{Pr}(\text{Fe}(\text{CN})_6) \cdot 5\text{H}_2\text{O}$. In *SSPD 03: Structure Solution from Powder Diffraction Data, September 14-19, 2003, Congress Center Academia, Stará Lesná, Slovakia*. Bratislava" ÚACH SAV, 2003, abstr. p.37.
240. ** GEISER, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Heavy Flavour Studies at HERA. In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada*. Particles and the Universe. Prednáška.

241. ** IACOBUCCI, G. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Diffraction, a comparison of inclusive and final state measurements. In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada.* Particles and the Universe. Prednáška.
242. ** LASTOVICKA, T. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Structure function measurements and what they tell us about PDFs and α_s . In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada.* Particles and the Universe. Prednáška.
243. ** MALDEN, N. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Searches for new physics in electron-proton collisions. In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada.* Particles and the Universe. Prednáška.
244. ** TOKUSHUKU, K. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) High p_T Jet Production and α_s at HERA. In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada.* Particles and the Universe. Prednáška.
245. ** TOKUSHUKU, K. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Energy and Particle Flow Measurements at HERA. In *Lake Louise Winter Institute: 16-22 February 2003, Alberta, Canada.* Particles and the Universe. Prednáška.
246. ** BELLAGAMBA, L. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Searches for new physics at HERA. In *17th Workshop Les Rencontres de Physique, La Thuile, Vallee d'Aoste, Italy, March 9-15, 2003.* Prednáška.
247. ** SAUVAN, E. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Lepton production in ep collisions. In *17th Workshop Les Rencontres de Physique, La Thuile, Vallee d'Aoste, Italy, March 9-15, 2003.* Prednáška.
248. ** MEYER, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Production of heavy Quarks at the HERA ep Collider. In *DPG-Tagung Fachbereich Teilchenphysik, 10.-13. März 2003, Aachen.*
249. ** CARLI, T. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Lepton production in ep collisions. In *38th Rencontres de Moriond Electroweak Interactions and Unified Theories, March 15-22, 2003, Les Arcs, France.* Prednáška.
250. ** HALLER, J. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Results on searches for new physics at HERA. In *Proceedings of 38th Rencontres de Moriond (Electroweak Interactions and Unified Theories), Les Arcs, March 15-22, 2003.* hep-ex/0305021
251. ** BERTOLIN, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Charm in electron-proton collisions. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France.* Prednáška.
252. ** BROWN, D. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurements of DVCS and high $|t|$ vector meson production at HERA. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France.* Prednáška. hep-ex/0306058

253. ** BRUNO, G.E. for NA57 Collaboration (ANTINORI, F. -...- BOMBARA, M. -...- JUSKO, A. -...- KRÁLIK, I. -...- PASTIRČÁK, B. -...- ŠAFÁŘÍK, K. -...- ŠÁNDOR, L. -...-) New Results from the NA57 experiment. In *QCD 2003: Proceedings of 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, Les Arcs, March 22-29, 2003*. e-Print Archive: nucl-ex/0305033
254. ** KLIMEK, K. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Beauty production at HERA. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France*. Prednáška.
255. ** PAGANIS, S. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Confronting QCD with HERA data. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France*. Prednáška
256. ** PAGANIS, S. for H1 and ZEUS Collaborations (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Selected Results in Hadronic Final State Physics at HERA. In *QCD 2003: Proceedings of the 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, Les Arcs, France, March 22-29, 2003*. hep-ex/0305056
257. ** VAN MECHELEN, P. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Jet production in electron-proton collisions. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France*. Prednáška. hep-ex/0305073
258. ** VAN MECHELEN, P. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Diffraction in ep collisions. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, March 22-29, 2003, Les Arcs, France*. Prednáška. hep-ex/0306024
259. ** VOSS, K.C. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Vector Meson Production at HERA. In *QCD 2003: Proceedings of the 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, Les Arcs, France, March 22-29, 2003*. Prednáška. hep-ex/0305052
260. ** WERNER, N. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Measurements of Proton Structure Functions, α_s and Parton Distribution Functions at HERA. In *QCD 2003: 38th Rencontres de Moriond on QCD and High Energy Hadronic Interactions, Les Arcs, France, March 22-29, 2003*. Prednáška. hep-ex/0305109
261. ** PEEZ, M. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) A new object orientated analysis framework for H1. In *CHEP 03: Conference for Computing in High Energy and Nuclear Physics, March 24-28, 2003, La Jolla, California, USA*. Prednáška.
262. ** BARBI, M. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Vector meson production and inclusive KsKs final state at HERA. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Resonances and Inclusive Production. Prednáška. hep-ex/0306011
263. ** BUSSEY, P. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Virtual photon structure at HERA. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Structure of the Photon. Prednáška. hep-ex/0307071

264. ** BUSSEY, P. for H1 and Zeus Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Inclusive Jets and α_s at HERA. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Proton Structure, Jets and Inclusive Reactions. Prednáška. hep-ex/0307072
265. ** KARSHON, U. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Open charm production at HERA. In *PHOTON 2003: Proceedings of the International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Jets and Inclusive Reactions. Prednáška. hep-ex/0307007
266. ** KROSEBERG, J. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Beauty in ep collisions. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Jets and Inclusive Reactions. Prednáška.
267. ** LEISSNER, B. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Multi-lepton production in ep collisions. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Proton Structure, Jets and Inclusive Reactions. Prednáška.
268. ** MASTROBERARDINO, A. for H1 and ZEUS Collaboraion (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Diffraction in ep collisions. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Total Cross Sections and Diffraction. Prednáška.
269. ** TURNAU, J. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Forward jets and particles in ep collisions and parton dynamics. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Proton Structure, Jets and Inclusive Reactions. Prednáška.
270. ** VALKAROVA, A. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Photon structure as revealed in ep collisions. In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Structure of the Photon. Prednáška.
271. ** WOEHRLING, E.E. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Proton structure at high Q^2 . In *PHOTON 2003: International Conference on the Structure and Interactions of the Photon, 7-11 April 2003, Frascati, Italy*. Session: Proton Structure, Jets and Inclusive Reactions. Prednáška.
272. ** ANDRIEU, B. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Inclusive jet cross sections in photoproduction at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Hadronic Final States. Prednáška.
273. ** BECKINGHAM, M. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Production of J/ψ mesons at high t and the study of $\gamma p \rightarrow \gamma p$. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Structure Functions, Low x and Diffraction. Prednáška.
274. ** BUTTERWORTH, J. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Hadronic Final States Summary. In *DIS 2003: 11th*

International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Plenaries. Prednáška.

275. ** CALDWELL, A. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) HERA-III. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Plenaries. Prednáška.*
276. ** COPPENS, Y. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Measurement of F_{2D}. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Structure Functions, Low x and Diffraction. Prednáška.*
277. ** DEVENISH, R. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Inclusive and Diffractive Summary. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Plenaries. Prednáška.*
278. ** DUBAK, A. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Neutral and charged current cross sections and the measurement of xF₃. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Structure Functions, Low x and Diffraction. Prednáška.*
279. ** FLEISCHMANN, P. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Elastic photoproduction of J/psi mesons and rho meson production in DIS at low t. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Structure Functions, Low x and Diffraction. Prednáška.*
280. ** FLUCKE, G. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) D* production in gamma-p collisions at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Heavy Flavours. Prednáška.*
281. ** FRISING, G. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Isolated lepton production at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Electroweak and BSM. Prednáška.*
282. ** GERLICH, Ch. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Beauty in photoproduction at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Heavy Flavours. Prednáška.*
283. ** GOERLICH, L. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Forward jet and pion production in deep-inelastic scattering at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Hadronic Final States. Prednáška.*
284. ** JUNG, H. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Dijet production at low Q² and virtual photon structure. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Hadronic Final States. Prednáška.*
285. ** KROIIVNITSKAYA, A. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Inclusive photoproduction of light mesons at HERA. In *DIS*

2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia. Session: Hadronic Final States. Prednáška.

286. ** LEMRANI, R. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Prompt photon production in ep collisions, recent H1 and ZEUS results. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Hadronic Final States. Prednáška. hep-ex/0308066
287. ** LENDERMANN, V. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Deep-inelastic scattering at low Q^2 . In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Structure Functions, Low x and Diffraction. Prednáška.
288. ** LIST, B. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Heavy Flavour Physics at HERA-II. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Heavy Flavours. Prednáška.
289. ** LOBODZINSKA, E. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) A determination of F_L at low Q^2 . In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Structure Functions, Low x and Diffraction. Prednáška.
290. ** MAXFIELD, S. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) A search for magnetic monopole production at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška.
291. ** MEHTA, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Electroweak and BSM. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Plenaries. Prednáška.
292. ** NAROSKA, B. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Heavy Flavours. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Plenaries. Prednáška.
293. ** PARENTI, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Multi-lepton events at HERA. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška.
294. ** PEREZ, E. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Searches for R-parity Violating Supersymmetry at HERA. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška. hep-ex/0312001
295. ** POESCHL, R. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) H1 results on dijet production at low x. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Hadronic Final States. Prednáška.
296. ** REISERT, B. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) QCD fits and the extraction of the parton distribution functions. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Structure Functions, Low x and Diffraction. Prednáška.

297. ** SEFKOW, F. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Heavy Flavour Summary. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Plenaries. Prednáška.
298. ** SCHAETZEL, S. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Comparison of final states in diffraction with QCD predictions. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Structure Functions, Low x and Diffraction. Prednáška.
299. ** SCHAETZEL, S. for H1 Collaboration (ADLOFF, C. --- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Diffractive Final States and Tests of QCD Factorisation. In *DIS 2003: Proceedings of the 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. hep-ex/0309037
300. ** SCHEINS, J. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Contact interactions and limits on leptoquark production and other new physics at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška.
301. ** SCHLENSTEDT, S. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Electroweak and BSM Summary. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Plenaries. Prednáška.
302. ** SCHMIDT, S. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Jet production in deep-inelastic charm events at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Heavy Flavours. Prednáška.
303. ** SCHNEIDER, M. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Searches for excited fermions at H1 and ZEUS. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška.
304. ** SCHOENING, A. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Search for single top production in ep collisions at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Electroweak and BSM. Prednáška. hep-ex/0309068
305. ** SPECKA, A. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Inclusive jet production in deep-inelastic scattering at H1. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Hadronic Final States. Prednáška.
306. ** SPECKA, A.E. for H1 Collaboration (ADLOFF, C. --- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Measurement of inclusive jet cross-sections at low Q^2 at HERA. In *DIS 2003: Proceedings of the 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. hep-ex/0309009
307. ** TERRON, J. for H1 and ZEUS Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Hadronic Final States. In *DIS 2003: 11th International Workshop on Deep Inelastic Scattering, 23-27 April 2003, St. Petersburg, Russia*. Session: Plenaries. Prednáška.
308. ** DIACONU, C. for H1 Collaboration (--- BRUNCKO, D. --- FERENCEI, J. --- MURIN, P. ---) Beyond the standard model at HERA. In *PHENO 2003: PHENO 2003 Symposium, University of Wisconsin, Madison, May 5-7, 2003*. Prednáška.

309. ABOLINS, M. - BÁN, J. - BYSTRICKY, J. - CALVET, D. - CHAPIN, D. - EDMUNDS, D. - EVANS, H. - HAN, L. - HEINTZ, U. - HILDRETH, M. - HIROSKY, R. - JOHNS, K. - JOHNSON, M. - LAURENS, P. - LE DU, P. - MITREVSKI, J. - NARAIN, M. - OLSEN, J. - PADLEY, P. - PARSONS, J. - PARTRIDGE, R. - PEREZ, E. - SIPPACH, W. - STEINBERG, J. - TARTE, G. - WILSON, G. - WOOD, D. - WU, S. The run IIB trigger upgrade for the D0 experiment. DAPNIA-03-134, Jun 2003. 5 p. In *RT 2003: 13th IEEE - NPSS Real Time Conference, Montreal, Canada, 18-23 May 2003*.
310. BYSTRICKY, J. - CALVET, D. - LE DU, P. - PEREZ, E. - TARTE, G. - BÁN, J. - EVANS, H. - MITREVSKI, J. - PARSONS, J. - SIPPACH, W. - ABOLINS, M. - EDMUNDS, D. - LAURENS, P. Algorithms and architecture for the L1 calorimeter trigger at D0 run IIB. DAPNIA-03-126, May 2003. 5 p. In *RT 2003: 13th IEEE - NPSS Real Time Conference, Montreal, Canada, 18-23 May 2003*.
311. ** NIEBUHR, C. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) HERA I results. In *CIPANP 2003: Conference on the Intersections of Particle and Nuclear Physics, May 19-24, 2003, New York City, USA*. Prednáška.
312. ** PITZL, D. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Future HERA physics / (slides). In *CIPANP 2003: Conference on the Intersections of Particle and Nuclear Physics, May 19-24, 2003, New York City, USA*. Prednáška.
313. ** BUSCHHORN, G. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Jet studies and α_s measurements at HERA. In *CRIMEA 2003: International Conference New Trends in High Energy Physics (experiment, phenomenology, theory), May 24-31, 2003, Alushta, Crimea, Ukraine*. Prednáška.
314. ** DAUM, K. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Heavy-flavour production in electron-proton collisions. In *CRIMEA 2003: International Conference New Trends in High Energy Physics (experiment, phenomenology, theory), May 24-31, 2003, Alushta, Crimea, Ukraine*. Prednáška.
315. ** De ROECK, A. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Contribution to QCD and SM working group. In *Les Houches 2003: Workshop on Physics at TeV colliders, 26 May - 6 June 2003, Les Houches, France*. Prednáška.
316. ** ANTHONIS, T. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Diffractive Final States. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects, 2-5 June 2003, Santorini, Greece*. Prednáška.
317. ** BROWN, D. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Diffractive Vector Meson Production. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects, 2-5 June 2003, Santorini, Greece*. Prednáška.
318. ** COX, B. for H1 and D0 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Rapidity Gaps Between Jets. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects, 2-5 June 2003, Santorini, Greece*. Prednáška.
319. ** DUPREL, C. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) H1 results on F₂ and F_L. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects, 2-5 June 2003, Santorini, Greece*. Prednáška.
320. ** LAYCOCK, P. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Inclusive Diffraction in H1. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects, 2-5 June 2003, Santorini, Greece*. Prednáška.

321. ** NOWAK, G. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Forward Jet and Particle Production. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects*, 2-5 June 2003, Santorini, Greece. Prednáška.
322. ** TZAMARIUDAKI, K. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Heavy Flavour Review. In *Lowx 2003: Low x Workshop on DIS, Diffraction and Related Subjects*, 2-5 June 2003, Santorini, Greece. Prednáška.
323. ** JANSSEN, X. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Leading proton detectors; past experience and future plans. In *Blois 2003: 10th Blois Workshop on Elastic and Diffractive Scattering*, Hanasaari, Helsinki, Finland, June 23rd - 27th, 2003. Prednáška.
324. ** JUNG, H. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) HERA results on forward jets and particles at low x and F2 and FL measurements at low Q². In *Blois 2003: 10th Blois Workshop on Elastic and Diffractive Scattering*, Hanasaari, Helsinki, Finland, June 23rd - 27th, 2003. Prednáška.
325. ** KAPUSHIN, M. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) QCD analysis of F2D and comparisons with hadronic final states at HERA and the Tevatron. In *Blois 2003: 10th Blois Workshop on Elastic and Diffractive Scattering*, Hanasaari, Helsinki, Finland, June 23rd - 27th, 2003. Prednáška.
326. ** SCHULTZ-COULON, H.Ch. for H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Hard processes in ep scattering. In *PIC 2003: 23rd International Conference on Physics in Collision*, Zeuthen, Germany, June 26-28, 2003. Prednáška.
327. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Structure Functions at HERA and the measurement of α_s and the parton distributions. In *QCD 03: 10th International QCD Conference*, Montpellier, France, 2-9 July 2003. Prednáška.
328. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurements of diffractive structure in DIS and studies of the diffractive final state. In *QCD 03: 10th International QCD Conference*, Montpellier, France, 2-9 July 2003. Prednáška.
329. ** CHEKANOV, S.V. for H1 and ZEUS Collaboration (ADLOFF, C. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Open charm production in DIS at HERA. In *HEP 2003: Proceedings of the International Europhysics Conference on High Energy Physics EPS*, Aachen, Germany, July 17th-23rd, 2003. Session: Hadronic Physics. hep-ex/0309004
330. ** PÖSCHL, R. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Studying Low-x Dynamics using the Hadronic Final State in DIS at HERA. In *HEP 2003: Proceedings of International Europhysics Conference on High-Energy Physics*, Aachen, Germany, 17-23 Jul 2003. hep-ex/0311055
331. ** VACAVANT, L. for ATLAS and CMS Collaboration Search for Extra Dimensions at LHC. In *HEP 2003: Proceedings of the International Europhysics Conference on High Energy Physics EPS*, Aachen, Germany, July 17th-23rd, 2003. hep-ex/0310020
332. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurements of F2 and FL at low Q². In *HEP 2003: International Europhysics Conference on High Energy Physics EPS*, Aachen, Germany, July 17th-23rd, 2003. Session: Hard QCD. Prednáška.

333. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) QCD fits to structure function measurements. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hard QCD. Prednáška.
334. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Beauty production in electron-proton collisions. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hard QCD. Prednáška.
335. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Parton dynamics revealed in measurements of forward jet and pion production DIS. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hard QCD. Prednáška.
336. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Event shape and jet sub-structure studies at HERA. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hard QCD. Prednáška.
337. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Studies of the photoproduction of charm. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hard QCD. Prednáška.
338. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) A review of searches for RP violating SUSY. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Physics beyond the Standard Model. Prednáška.
339. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Search for magnetic monopoles produced in ep collisions. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Physics beyond the Standard Model. Prednáška.
340. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Generic searches for new physics phenomena. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Physics beyond the Standard Model. Prednáška.
341. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Inclusive measurements of diffractive DIS at H1. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hadronic Physics. Prednáška.
342. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Studies of the final state in diffractive interactions at H1. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hadronic Physics. Prednáška.
343. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Measurements of meson production in ep scattering at H1. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003*. Session: Hadronic Physics. Prednáška.
344. H1 Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURIN, P. -...-) Studies of DVCS and high $|t|$ photon production with the H1 detector. In *HEP 2003:*

International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003. Session: Hadronic Physics. Prednáška.

345. ** KLUGE, T. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- KURČA, T. -...- MURIN, P. -...-) Measurements of Event and Jet Shapes at HERA. In *HEP 2003: International Europhysics Conference on High Energy Physics EPS, Aachen, Germany, July 17th-23rd, 2003.* hep-ex/0310063
346. KUDELA, K. - BRENKUS, R. Cosmic Ray Decreases and Geomagnetic activity: List of Events 1982-2002. In *Special Workshop, U. Frankfurt, February 20-22, 2003.* Prednáška. Submitted to J.Atmos.Solar
347. ROTHKAEHL, H. -KUDELA, K. - KLOS, Z. - BUČÍK, R. The global distribution of RF emission and low energy gamma ray fluxes in the topside ionosphere. In *EGS - AGU - EUG Joint Assembly, Nice, France, 6-11 April 2003.* abstract #5257.
348. SABBAH, I. -KUDELA, K. - JASSAR, A. - RYBANSKÝ, M. Dependence of the cosmic ray intensity upon solar coronal hole area. In *EGS - AGU - EUG Joint Assembly, Nice, France, 6-11 April 2003.* abstract #8367.
349. BLECKI, J. - SAVIN, S. - CORNILLEAU-WEHRLIN, N. - PARROT, M. - WRONOWSKI, R. - KUDELA, K. - SANTOLIK, O. - SAUVAUD, J.A. Bursts of the Plasma Waves in the Magnetospheric Tail in the Vicinity of the Reconnection. In *STAMMS: Spatio-Temporal Analysis and Multipoint Measurements in Space, May 12-16, 2003, Orléans, France.* Abstrakt book. p.32.
350. KECSKEMÉTY, K. - DALY, P. - ERDOS, G. - HORBURY, T.S. - LUCEK, E.A. - TATRALLYAY, M. - DANDOURAS, I. - KUDELA, K. Suprathermal ion distributions around hot flow anomalies. In *STAMMS: Spatio-Temporal Analysis and Multipoint Measurements in Space, May 12-16, 2003, Orléans, France.* Abstrakt book. p.36
351. KUDELA, K. - DAXNER, P. - DZVONÍK, O. - SLIVKA, M. - ŠTETIAROVÁ, J. Dátové bázy pre výskum možných vzťahov kozmického počasia a niektorých parametrov vákonnosti zdravotného stavu leteckého personálu. In *Seminár "Človek vo svojom pozemskom a kozmickom prostredí", Úpice, ČR, 20.-22.máj 2003.* Prednáška. V tlači Aviation, Space and Environmental Medicine.
352. KUDELA, K. - XUE, B. - LE, G. - MIAO, J. - ANDREJKOVÁ, G. Geomagnetic activity onset predictions: Problems with possible signatures in cosmic rays. In *ISCS 2003: International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003.* Prednáška.
353. BOBIK, P. - BOSCHINI, M. - GERVASI, M. - GRANDI, D. - KUDELA, K. - MICELOTTA, E. - RANCOITA, P.G. Cosmic ray spectrum at 1 AU: a transmission function approach to the magnetosphere. In *ISCS 2003: International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003.* Prednáška.
354. BOBIK, P. - GERVASI, M. - GRANDI, D. - RANCOITA, P.G. - USOSKIN, I.G. 2D stochastic simulation model of cosmic ray modulation: Comparison with experimental data. In *ISCS 2003: International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003.* Prednáška.
355. KECSKEMÉTY, K. -KUDELA, K. - McKENNA-LAWLOR, S. Characteristics of upstream particle fluxes near and far from the earth's bow shock. In *ISCS 2003: International Solar Cycle Studies Symposium on Solar Variability as an Input to the*

Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Prednáška.

356. KOZLOV, V. - KUDELA, K. - STARODUBTSEV, S. - TURPANOV, A. - USOSKIN, I. - YANKE, V. Neutron monitor data base in real time. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Prednáška.*
357. KURILCHIK, V. - PROKUDINA, V. - KUDELA, K. - SLIVKA, M. The study of relations between kilometric radiobursts and energetic electrons during powerful solar flares: INTERBALL-1. In *ISCS 2003: International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Prednáška.*
358. KUZNETSOV, S.N. - KUDELA, K. - MYAGKOVA, I.N. - YUSHKOV, B.Yu. X-ray and GAMMA-emission solar flare catalogue obtained by SONG on board CORONAS-F satellite. In *ISCS 2003: Proceedings of the International Solar Cycle Studies Symposium on Solar Variability as an Input to the Earth's Environment, Tatranská Lomnica, Slovakia (ESA SP-535), 23-28 June 2003. Prednáška.*
359. GRANDI, D. - RANCOITA, P. - GERVASI, M. - BOBIK, P. - MICELLOTA, E. - BOSCHINI, M. A Backtracing Code to Study the Evolution of the Magnetosphere Transmission Function for Primary Cosmic Rays. In *Chapman Conference on Physics and Modelling of the Inner Magnetosphere, Helsinki, Finland, 25-29 august ,25-29August2003.* <http://www.agu.org/meetings/cc03ccall.html>
360. KUZNETSOV, S.N. - YUSHKOV, B.Yu. - KUDELA, K. - LEMAIRE, J. - MYAGKOVA, I.N. STAROSTIN, L.I. - DENISOV, Yu.I. Evolution of outer radiation belt during the month of november 2001, according to relativistic electron observations from the CORONAS-F mission. In *ISEC 2003: International Space Environment Conference 2003: Radiation Belt Science, September 2 - 5, 2003, Toulouse, France.* Overview session: Radiation belt observations, abstr. p.19. Prednáška. <http://www.cert.fr/annonces/isec2003/>
361. BUČÍK, R. - KUDELA, K. - KUZNETSOV, S.N. - MYAGKOVA, I.N. The fluxes of gamma rays in the magnetic coordinates L,B at CORONAS-I-altitude. In *ISEC 2003: International Space Environment Conference 2003: Radiation Belt Science, September 2 - 5, 2003, Toulouse, France.* Poster Session, p. 39, P06. Prednáška. Submitted to Space Weather.
362. BOBIK, P. - BOSCHINI, M. - GERVASI, M. - GRANDI, D. - MICELLOTTA, E. - RANCOITA, P.G. A backtracing method to separate primary and secondary cosmic rays measured near earth and to study the properties of the AMS radiation belts. In *ISEC 2003: International Space Environment Conference 2003: Radiation Belt Science, September 2 - 5, 2003, Toulouse, France.* Poster session, p.45, P20. Prednáška. <http://www.cert.fr/annonces/isec2003/>
363. KUZNETSOV, S.N. - YUSHKOV, B.Yu. - KUDELA, K. - LEMAIRE, J. - MYAGKOVA, I.N. Penetration of solar energetic particles (SEP) into the magnetosphere. In *ISEC 2003: International Space Environment Conference 2003: Radiation Belt Science, September 2 - 5, 2003, Toulouse, France.* Solar particles and cosmic rays, abstr. p.51. Prednáška. <http://www.cert.fr/annonces/isec2003/>
364. BOCHEV, A.Z. - KUDELA, K. Dynamics of field-aligned currents and energetic particle fluxes in the mid-altitude cusp by INTERBALL-AU, March-April 1997. In

Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic. Book of Abstracts. Praha: MFF UK, 2003. p.22. Prednáška.

365. McKENNA-LAWLOR, S. - KECSKEMÉTY, K. - DRYER, M. - SMITH, Z. - FRY, C. - KUDELA, K. - KARTALEV, M.D. - SUN, W. - DEEHR, C. Comparison of the predicted arrival times at L1 of 209 flare associated shocks estimated using three numerical models with corresponding energetic particle signatures. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.25. Submitted to Planetary and Space Science.
366. KUDELA, K. - LUTSENKO, V.N. - SARRIS, E.T. - SIBECK, D.G. - SLIVKA, M. DOK-2 Ion fluxes upstream from the bow shock: characteristics from 5 years of INTERBALL-1 measurements. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.33. Prednáška. Submitted to Planetary and Space Science.
367. McKENNA-LAWLOR, S. - BALÁŽ, J. - BARABASH, S. - JOHNSON, K. - ZHENXING, L. - Li, L. - JIN-BIN, C. - CHAO, S. - ROELOF, E.C. - BRANDT, P.C. - KUDELA, K. A neutral atom detector experiment (NUADU) for the chinese double star polar mission. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.34. Submitted to Planetary and Space Science.
368. SLIVKA, M. - KUDELA, K. Anisotropy of proton fluxes in neutral sheet region measured by the DOK-2 INTERBALL-1. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.40. Prednáška. Submitted to Space Weather.
369. HAYOSH, M. - ŠAFRÁNKOVÁ, J. - NĚMEČEK, Z. - KUDELA, K. - ZASTENKER, G.N. Relationship between high-energy particles and ion flux in the magnetosheath. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.55. Prednáška.
370. PŘECH, L. - ŠAFRÁNKOVÁ, J. - NĚMEČEK, Z. - KUDELA, K. Interball-1 observations of plasma and energetic particle fluxes upstream of the earth's bow shock. In *Magnetospheric Response to Solar Activity, 9-12 September 2003, Prague, Czech Republic.* Book of Abstracts. Praha: MFF UK, 2003. p.71. Prednáška.
371. GRIGORYAN, O. - KUDELA, K. - PETROV, A. - ROTHKAEHL, H. - SHEVELEVA, V. - KLOS, Z. - ZBYSZYNSKI, Z. High energy particles and waves in low and middle latitudes region according different satellite experimental data. In *PLASMA 2003: International Conference, Warsaw, Poland, September 9-12, 2003.* Abstrakt. Prednáška. <http://plasma2003.cbk.waw.pl/>
372. GRIGORYAN, O. - KUDELA, K. - PANASYUK, M. - PETROV, A. - ROTHKAEHL, H. - SHEVELEVA, V. - KLOS, Z. - ZBYSZYNSKI, Z. High energy particles and waves near equator according different satellite experiments data. In *PLASMA 2003: International Conference, Warsaw, Poland, September 9-12, 2003.* Abstrakt. Prednáška. <http://plasma2003.cbk.waw.pl/>
373. KUDELA, K. - STORINI, M. Cosmic Ray Variability around the time of geomagnetic disturbances. In *IAGA/ICMA: 3rd Workshop Solar Forcing of the Middle Atmosphere, Institute of Atmospheric Physics, Prague, Czech republic, September 15-18, 2003.* Praha: ÚFA AV ČR, 2003. Prednáška IV.11, abstract p.34.
374. BOBIK, P. - GERVASI, M. - GRANDI, D. - RANCOITA, P.G. - USOSKIN, I.G. Solar modulation models: a comparison through a 2D stochastic simulation. In *8th ICATPP*

Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications (Instrumentation as a tool for detection of radiation and effects of radiation in particle physics, astroparticle physics, space and medical applications), Villa Erba, Como 6-10 October 2003

375. BOBIK, P. - BOSCHINI, M. - GERVASI, M. - GRANDI, D. - MICELOTTA, E. - RANCOITA, P.G. A normalization procedure for Creme96 spectra. In *8th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications (Instrumentation as a tool for detection of radiation and effects of radiation in particle physics, astroparticle physics, space and medical applications), Villa Erba, Como 6-10 October 2003.*
376. BOBIK, P. - BOSCHINI, M. - GERVASI, M. - GRANDI, D. - MICELOTTA, E. - RANCOITA, P.G. Geographical feature of the AMS belts: a simulation with particle tracing. In *8th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications ((Instrumentation October 2003. as a tool for detection of radiation and effects of radiation in particle physics, astroparticle physics, space and medical applications), Villa Erba, Como 6-10*
377. McKENNA-LAWLOR, S. - BALÁŽ, J. - BARABASH, S. - JOHNSON, K. - LI, L. - SHEN, CH. - SHI, J. - ZONG, Q. - KUDELA, K. - FU, S. - ROELOF, E.C. - BRANDT, P.C. A Neutral Atom Imager NUADU for the Chinese Double Star-Polar mission. In *10th Space Physics Conference, Shanghai, China, October 17-21, 2003.*
378. KUDELA, K. - BALÁŽ, J. - STRHÁRSKY, J. Energetic particle monitoring in space: three decades of experience at IEP SAS. Submitted to *RAST 2003, Istanbul, November 20-22, 2003.* Prednáška.
379. SHUKLA, R.S. - PANT, R.P. - SURI, D.K. - DHAWAN, S.K. - KOPČANSKÝ, P. - KONERACKÁ, M. Ferrofluid catalyzed oxidation of ascorbic acid by hydrogen peroxide in aqueous acidic medium. In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24 2003, India, New Delhi.* Abstracts, p.74.
380. HNATÍČ, M. - JURČIŠIN, M. - KOPČANSKÝ, P. - ŠPRINC, S. Anomalous scaling regimes in the simple models of random scalar and vector fields. In *RANMF 2003: International workshop on recent advances in nanotechnology of magnetic fluids, January 22-24 2003, India, New Delhi.* Abstracts, p.107-109.
381. PINČÁK, R. Biological electron transport through cofactors. In *Interface between Physics and Biology (NATO ASI School), 24 Marec - 3 April 2003, Geilo, Nórsko.* Poster.
382. BUŠA, J. - HNATÍČ, M. - JURČIŠINOVÁ, E. - JURČIŠIN, M. - STEHLIK, M. Influence of anisotropy on the scaling regimes in fully developed turbulence. In *ICTP: 4th International Conference on Perspectives in Hadronic Physics, Trieste, Italy, May 12-16, 2003.* Poster.
383. HNATÍČ, M. - JURČIŠIN, M. - ŠPRINC, S. - STEHLIK, M. Scaling regimes in $d>2$ stochastic magnetohydrodynamics. In *ICTP: 4th International Conference on Perspectives in Hadronic Physics, Trieste, Italy, May 12-16, 2003.* Poster.
384. CKHETIANI, O. - HNATÍČ, M. - JURČIŠIN, M. - MAZINO, A. - REPAŠAN, M. Kraichnan model with synthetic helical velocity field. In *ICTP: 4th International Conference on Perspectives in Hadronic Physics, Trieste, Italy, May 12-16, 2003.* Poster.

385. KOPELIOVICH, B. - NEMCHIK, J. - PREDAZZI, E. Pion Quenching in cold and hot media. In *ICTP: 4th International Conference on Perspectives in Hadronic Physics, Trieste, Italy, May 12-16, 2003*. Talk given.
386. FARKAŠOVSKÝ, P. Quantum phase transitions in the Falicov-Kimball. In *Workshop on Quantum Phase Transitions 2003, Dresden, 10.7.-12.7.2003*. Poster.
387. ČENČARIKOVÁ, H. - FARKAŠOVSKÝ, P. The phase transitions induces by correlated hopping in the Falicov-Kimball model. In *Workshop on Quantum Phase Transitions 2003, Dresden, 10.7.-12.7.2003*. Poster.
388. KOPČANSKÝ, P. - POTOČOVÁ, I. - TIMKO, M. - KONERACKÁ, M. - JANSEN, A.M.G. - JADZYN, J. - CZECHOWSKI, G. The structural transitions in ferro-nematics in combined electric and magnetic fields. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 5X. Roma: 2003. Poster 5X-pm-18, p.757. Pozvaná prednáška.
389. POTOČOVÁ, I. - KOPČANSKÝ, P. - KONERACKÁ, M. - TIMKO, M. - MARTON, K. - TOMČO, L. The influence of magnetic field on the dielectric breakdown magnetic fluids. In *ICM 2003: International Conference on Magnetism, Roma, Italy, July 27 - August 1, 2003. Incorporating The Symposium on Strongly Correlated Electron Systems*. Book of abstracts. Poster Session 5X. Roma: 2003. Poster 5X-pm-27, p.759.
390. ČENČARIKOVÁ, H. The quantum phase transitions in the Falicov-Kimball model with correlated hopping. In *"Euroconference on Ab initio Many-body Theory for Correlated Electron Systems 2003", Trieste, Italy, 25.8. - 29.8.2003*. Poster.
391. FARKAŠOVSKÝ, P. Ab initio calculations of spectral functions of the Falicov-Kimball model. In *"Euroconference on Ab initio Many-body Theory for Correlated Electron Systems 2003", Trieste, Italy, 25.8. - 29.8.2003*. Poster.
392. PINČÁK, R. Scales in mathematical and theoretical ecology from individual to ecosystems. In *The meeting of physicists and mathematicians, 25 August - 3 September 2003, Siquenza, Spain*.
393. KOPČANSKÝ, P. - POTOČOVÁ, I. - KONERACKÁ, M. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. - JANSEN, A.M.G. The structural transitions in thermotropic ferronematics. In *5th Small Triangle Meeting, Medzev, September 2-4, 2003*. Prednáška.
394. CKHETIANI, O. - HNATIČ, M. - JURČIŠIN, M. - MAZINO, A. - REPAŠAN, M. Influence of helicity on transport processes in stochastic environments. In *5th Small Triangle Meeting, Medzev, September 2-4, 2003*. Prednáška.
395. HNATIČ, M. - JURČIŠIN, M. - JURČIŠINOVÁ, E. - STEHLÍK, M. Anomalous scaling of passive scalar field advected by the finite-time correlated turbulent velocity field with strong anisotropy. In *5th Small Triangle Meeting, Medzev, September 2-4, 2003*. Prednáška.
396. PUDLÁK, M. - PINČÁK, R. Transport of electrons in photosynthesis. Computation of quantum yields. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: UEF SAV and UPJŠ, 2003. Poster P04, p.65.
397. SHAKHOV, B. - STEHLÍK, M. Fokker-Planck SCR scattering with focusing by IMF. In *3. Ukr. konf. po kosmičeskim issledovaniyam, Krym, September 15-18, 2003. Zborník rozšírených abstraktov*. p.180.

398. KOPELIOVICH, B. - NEMCHIK, J. - PREDAZZI, E. Hadron propagation in nuclei. In *Euroconference Electromagnetic Interactions with Nucleons and Nuclei, Santorini, Greece, 7-12 October 2003*. Talk given.
399. KOPČANSKÝ, P. - POTOČOVÁ, I. - KONERACKÁ, M. - TIMKO, M. - JADZYN, J. - CZECHOWSKI, G. - JANSEN, A.M.G. The structural transitions in thermotropic ferronematics. In *15 th Conference of Liquid Crystals, 13.10.-17.10.2003, Zakopane. Proceedings of SPIE*. Poster.
400. KAREN, P. - JIRKOVSKÁ, M. - TOMORI, Z. - DEMJÉNOVÁ, E. - JANÁČEK, J. - KUBÍNOVÁ, L. 3-D reconstruction based on composing series of confocal images by GlueMRC and LinkMRC software. In *Focus on Microscopy, April 13-16 2003, Palazzo Ducale, Genova, Italy*. Program and Abstract Book, p.64.
401. KUBÍNOVÁ, L. - JANÁČEK, J. - RADOCHOVÁ, B. - DEMJÉNOVÁ, E. - TOMORI, Z. Confocal stereology: Efficient tool for quantitative evaluation of microscopical structure. In *Focus on Microscopy, April 13-16, 2003, Palazzo Ducale, Genova, Italy*. Program and Abstract Book, p.74.
402. KUBÍNOVÁ, L. - JANÁČEK, J. - RADOCHOVÁ, B. - TOMORI, Z. Měření geometrických charakteristik buněk a jejich komponent s využitím konfokální mikroskopie. In *Analytická cytometrie II: konference se zahraniční účastí, Brno, 11.-14.5. 2003*. p.50-51.
403. VESELÁ, V. Impedance measurements on HMDE of selected thiols and their mixtures with Co(II). In *36th Heyrovský Discussion Electrochemistry of Biological Systems and their models, June 15 - 19, 2003, Castle Třešť, Czech Republic*. Poster.
404. BÁNÓ, M. - MAREK, J. Monte-Carlo Calculation of Hydrodynamic Parameters of Macromolecules. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. abstr. SC1, p.23. Short Communication.
405. FABIAN, M. - JANCURA, D. - BONA, M. - BARAN, M. - PALMER, G. The Influence of the Reduction of Cytochrome *a* and Cu_a on the Oxidized Catalytic Center of Cytochrome *c* Oxidase. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. abstr. SC8, p.37. Short Communication.
406. TOMORI, Z. - MARŠALA, M. - KUBÍNOVÁ, L. Number of Surviving Cells Estimated by Stereological Image Analysis. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. abstr. SC14, p.49. Short Communication.
407. DEMJÉNOVÁ, E. - MAREK, J. - TOMORI, Z. Interactive segmentation of fibre-like objects. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P02, p.61.
408. ANTALÍK, M. - BÁGELOVÁ, J. Thermal transition of cytochrome *c* in its complexes with polyglutamates. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P010, p.77.
409. FEDUNOVÁ, D. - JALČ, P. - ANTALÍK, M. Effect of polyphosphate and ATP on structure and stability of cytochrome *c* at neutral and alkaline environment. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P011, p.79.

410. STUPÁK, M. - ANTALÍK, M. Effect of trehalose on stability of ferricytochrome *c*. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P012, p.81.
411. VARHAČ, R. - ANTALÍK, M. - BÁNÓ, M. Effect of temperature and guanidine hydrochloride on ferrocycytochrome *c* at neutral pH. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P013, p.83.
412. MCHANTAFOVÁ, S. - FEDUNOVÁ, D. - ANTALÍK, M. - KARLOVSKÁ, J. - BALGAVÝ, P. Thermal denaturation of the sarcoplasmic reticulum (Ca-Mg) ATPase reconstituted in synthetic diacylphosphatidylcholine bilayers. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P026, p.109.
413. MADER, P. - VESELÁ, V. - ŠESTÁKOVÁ, I. - DORČÁK, V. - ČÍŽKOVÁ, P. - DRAŽAN, V. The Brdička polarographic catalytic hydrogen evolution and its utilization for determination of organic thiols. In *SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3 - 5, 2003*. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. poster P038, p.133.

18. Ostatné prednášky a vývesky

Pozvané prednášky

414. REIFFERS, M. - ILKOVIČ, S. - ZORKOVSKÁ, A. - BAUER, E. Mikrokontaktové vlastnosti zlúčeniny $\text{YbCu}_{3.5}\text{Al}_{1.5}$ typu nie Fermiho kvapaliny. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Sympoziálna prednáška.
415. GABÁNI, S. - FLACHBART, K. - PAVLÍK, V. - BAUER, E. - BERGER, S. - DELLA MEA, M. - PAUL, C. - PADERNO, Y. - SHITSEVALOVA, N. Tlakom indukovaný fázový prechod polovodič-kov v SmB_6 . In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Pozvaná prednáška.
416. SKYBA, P. Čo je nové vo výskume supratekutého hélia-3. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Pozvaná plenárna prednáška.
417. SZABÓ, P. - SAMUELY, P. - KAČMARČÍK, J. - HOLANOVÁ, Z. - KLEIN, T. - JANSEN, A.G.M. MgB_2 - unikátny dvojmedzerový supravodič. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Pozvaná plenárna prednáška.
418. SZABÓ, P. Fyzikálne vlastnosti MgB_2 - dvojmedzerová supravodivosť. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Pozvaná prednáška.

419. SEMAN, M. Štúdium vysokoenergetických častíc kozmického žiarenia. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Pozvaná prednáška.

Prednášky a vývesky

420. DIKO, P. Masívne vysokoteplotné supravodiče s nanočasticami. In *NANOSMART: Kick-off Meeting, 6. marec 2003, Košice*. Prednáška.
421. TIMKO, M. - KOPČANSKÝ, P. - KONERACKÁ, M. - ŠAFAŘÍK, I. - ŠAFAŘÍKOVÁ, M. Využitie magnetických kvapalín v medicíne a biotechnológiách. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Prednáška.
422. ZENTKOVÁ, M. - KAVEČANSKÝ, V. - MIHALIK, M. - ZENTKO, A. - SENDEK, M. - CSACH, K. - MIGLIERINI, M. Magnetické vlastnosti vybraných nitroprusidov prechodových kovov. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
423. MIHALIK, M. Nekolineárne feromagnetické usporiadanie v $U_3Al_2Si_3$. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
424. JURÍKOVÁ, A. - CSACH, K. - MIŠKUF, J. - OCELÍK, V. Štruktúrna relaxácia kovového skla po dlhodobom zaťažení. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
425. DIRNER, A. - ČERNÁK, J. - URBÁN, J. - ASTALOS, J. - SUJANSKY, M. - BABIK, M. - BRUNCKO, D. - JUSKO, A. GRID ako prostriedok pre distributívne a globálne výpočty vo fyzike. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
426. GINTNER, M. - MELO, I. - TRPIŠOVÁ, B. - BRUNCKO, D. Produkcia nových rezonancií z elektroslabého sektora na budúcich e^+e^- urýchľovačoch. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
427. SLIVKA, M. - KUDELA, K. Bipolárne topky protónov v plazmovej vrstve chvosta magnetosféry Zeme. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Prednáška.
428. SLIVKA, M. - KUDELA, K. Určenie polohy neutrálneho bodu pomocou merania anizotropie tokov protónov stredných energií na družici INTERBALL-I. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Prednáška.
429. HNATIC, M. Škálovacie zákony v stochastickej nelineárnej dynamike a rozvinutej turbulencii. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*.
430. KOPČANSKÝ, P. - TOMČO, L. - MARTON, K. - KONERACKÁ, M. - TIMKO, M. Štúdium dielektrického prirazu v magnetických kvapalinách. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Prednáška.
431. KOPČANSKÝ, P. Feromagnetiká-kvapalné kryštály dopované jemnými magnetickými časticami. In *13. konferencia slovenských fyzikov, Kongresové centrum SAV, Smolenice, 25.-28. august 2003*. Prednáška.

432. SKYBA, P. Nezvyčajné magnetické vlastnosti supratekutého hélia-3. In *Košice, KEF PF UPJŠ, 6.11.2003*. Prednáška.
433. KAVEČANSKÝ, V. Štúdium štruktúry ferrikyanidov vzácnych zemín difrakčnými metódami. In *Seminár projektu "Nízkorozmerné magnetické materiály", Časť-Papiernička, 14.-16.11.2003*.
434. KOPČANSKÝ, P. - TIMKO, M. - ŠKORVÁNEK, I. NANO program v Ústave experimentálnej fyziky SAV v Košiciach. In *NANO/SME/IST: Celoštátna konferencia s medzinárodnou účasťou o synergii nanotechnológií, informačných technológií, malého a stredného podnikania v projektoch 6. rámcového programu EÚ, Kongresové centrum SAV Smolenice, 17-18.marec 2003. Zborník abstraktov. s.3.*

21. Vydané alebo editované zborníky z vedeckých podujatí

435. The 5th Small Triangle Meeting on Theoretical Physics, September 2-4, 2003, Medzev. Eds. M. Hnatič, M. Stehlík. Košice: ÚEF SAV, 2003. 61 s.
436. SSB 2003: Structure and Stability of Biomacromolecules, Košice, Slovak Republic, September 3-5, 2003. Book of Abstracts. Košice: ÚEF SAV and UPJŠ, 2003. 142 s.

23. Vedecké práce uverejnené na internete

437. H1 Collaboration (AKTAS, A. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Search for Single Top Quark production in ep Collisions at HERA. In *DESY-03-132*, October 2003. Submitted to Eur.Phys.J.C. hep-ex/0310032
438. H1 Collaboration (AKTAS, A. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Muon Pair Production in ep Collisions at HERA. In *DESY-03-159*. Hamburg: DESY, 2003. Submitted to Phys.Lett.B. hep-ex/0311015
439. H1 Collaboration (AKTAS, A. -...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Inclusive Dijet Production Low Bjorken-x in Deep Inelastic Scattering. In *DESY-03-160*. Hamburg: DESY, 2003. Submitted to Eur.Phys.J.C. hep-ex/0310019
440. (-...- FERENCEI, J. -...-) Further Report on the Beam- Induced Backgrounds in the H1 Detector. In *H1 note H1-01/03-607*.
441. ** BERTOLIN, A. for H1 and ZEUS Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...-) Charm in electron proton collisions. In *hep-ex/0305050*.
442. NEMCHIK, J. Study of color transparency in production of vector mesons off nuclei. In e-Print Archive: *hep-ph/0211237*. 18 p.
443. KOPELIOVICH, B.Z. - NEMCHIK, J. - PREDAZZI, E. - HAYASHIGAKI, A. Nuclear Hadronization: Within or Without? Submitted to Nucl. Phys. B. In e-Print Archive: *hep-ph/0311220*. 34 p.