

Príloha č. 3

Časť: Bibliografické údaje výstupov

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Tabuľka II.3: Zoznam publikácií a edícií

3.Odborné monografie vydané v domácich vydavateľstvách

BBA Odborné monografie vydané v domácich vydavateľstvách

1. **BAB01** Space Research in Slovakia 2006-2007. Eds. K. Kudela, J. Feranec, L. Macho. Košice: SAV and National Committee of COSPAR, 2008. 78 s. ISBN 978-80-968060-3-4

5.Kapitoly vo vedeckých monografiách a vysokošk. učebniciach vydané v domácich vydavateľstvách

ABD Kapitoly vo vedeckých monografiách vydané v domácich vydavateľstvách

2. **ABD01** ANTALÍK, Marián - GAŽOVÁ, Zuzana. Biomakromolekuly. In DUSZA, Ján a kol. *Progresívne materiály a technológia*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-6-3. 1. časť, s. 125-190.
3. **ABD02** FLACHBART, Karol - REIFFERS, Marián - SKYBA, Peter. Základy kryotechniky a vákuovej fyziky. In DUSZA, Ján a kol. *Progresívne materiály a technológia*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-7-0. 2. časť, s. 201-246.
4. **ABD03** KOPČANSKÝ, Peter - TIMKO, Milan - KONERACKÁ, Martina. Magnetické kvapaliny. In DUSZA, Ján a kol. *Progresívne materiály a technológia*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-7-0. 2. časť, s. 9-42.
5. **ABD04** KUDELA, Karel - BALÁŽ, Ján. Fyzikálne efekty v kozme a ich vplyvy na technologické systémy. In DUSZA, Ján a kol. *Progresívne materiály a technológia*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-6-3. 1. časť, s. 85-124.
6. **ABD05** SAMUELY, Peter - KOVÁČ, Pavol - CHROMIK, Štefan - DIKO, Pavel - ŠPANKOVÁ, Marianna - ŠTRBÍK, Vladimír - VALERIÁNOVÁ, M. - GAŽI, Štefan - BENÁČKA, Štefan - VINCENC OBOŇA, Jozef - DUJAVOVÁ, Agáta. Supravodivosť, najnovšie poznatky a aplikácie. In DUSZA, Ján a kol. *Progresívne materiály a technológia*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-6-3. 1. časť, s. 271-312.

7. **ABD06 ŠKORVÁNEK, Ivan.** Progresívne magnetické materiály. In DUSZA, Ján a kol. *Progresívne materiály a technológie*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-6-3. 1. časť, s. 49-84.
8. **ABD07 TOMORI, Zoltán - DEMJÉN, Erna.** Číslicové spracovanie a analýza obrazu. In DUSZA, Ján a kol. *Progresívne materiály a technológie*. - Košice : Ústav materiálového výskumu SAV, 2008. ISBN 978-80-968543-7-0. 2. časť, s. 43-78.

6. Kapitoly vo vedeckých monografiách a vysokoškolských učebniciach vydané v zahraničných vydavateľstvách

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

9. **ABC01 FLACHBART, Karol - ALEKSEEV, P. - GRECHNEV, G.** Rare earth dodecaborides-magnetism, superconductivity and other properties. In *Rare Earths: Research and Application*. - New York : Nova Science Publishers, 2008. ISBN 978-1-60456-218-7, chapter 2, p. 79-125.

9. Vedecké práce v časopisoch evidovaných a/ v Current Contents

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

10. **ADCA01 ACHATZ, P. - PERNOT, J. - MARCENAT, C. - KAČMARČÍK, Jozef - FERRO, G. - BUSTARRET, E.** Doping-induced metal-insulator in aluminum-doped 4H silicon. In *Applied Physics Letters*. ISSN 0003-6951, 2008, vol. 92, no. 7, p. 072103-1-3. (3.596 - IF2007).
11. **ADCA02 ALICE COLLABORATION ** KUHN, Ch. for Coll. (-...- BÁN, Jaroslav -...- BOMBARA, Marek -...- HNATIČ, Michal -...- KRÁLIK, Ivan -...- KRIVÁŇ, František -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-).** Soft physics in ALICE. SQM 2007: International Conference on Strangeness in Quark Matter, 24 - 29 June 2007, Levoča, Slovakia. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 4, p. 044044-1-7. (3.485 - IF2007).
12. **ADCA03 ALICE COLLABORATION ** FAIVRE, Julien for Coll. (-...- BÁN, Jaroslav -...- BOMBARA, Marek -...- HNATIČ, Michal -...- KRÁLIK, Ivan -...- KRIVÁŇ, František -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-).** Study of the ALICE performance for the measurement of beauty production. SQM 2007: International Conference on Strangeness in Quark Matter, 24 - 29 June 2007, Levoča, Slovakia. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 4, p. 044047-1-6. (3.485 - IF2007).
13. **ADCA04 ALICE COLLABORATION ** BADALA, A. - BARBERA, R. - BLANCO, F. - LA ROCCA, P. - PAPPALARDO, G. S. - PULVIRENTI, A. - RIGGI, F. - VERNET, R. for Coll. (-...- BÁN, Jaroslav -...- BOMBARA, Marek -...- HNATIČ, Michal -...- KRÁLIK, Ivan -...- KRIVÁŇ, František -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-).** Study of short-lived resonances in ALICE. SQM 2007: International Conference on Strangeness in Quark Matter, 24 - 29 June 2007, Levoča, Slovakia. In *Journal of*

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14. **ADCA05** ALICE COLLABORATION ** TAKAKI, J.P.T. for Coll. (-...- BÁN, Jaroslav -...- BOMBARA, Marek -...- HNATIČ, Michal -...- KRÁLIK, Ivan -...- KRIVÁŇ, František -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-) Prospects for η meson production in pp collisions at the ALICE experiment. SQM 2007: International Conference on Strangeness in Quark Matter, 24 - 29 June 2007, Levoča, Slovakia. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 4, p. 044058-1-5. (3.485 - IF2007).
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16. **ADCA07** ALICE COLLABORATION (-...- BÁN, Jaroslav - BOMBARA, Marek - HNATIČ, Michal - KRÁLIK, Ivan - KRIVÁŇ, František - KRIVDA, Marián - PASTIRČÁK, Blahoslav - ŠÁNDOR, Ladislav -...-) ALICE: Physics Performance Report, Volume II. In *Journal of Physics G : nuclear & particle physics*. ISSN 0954-3899, 2007, vol. 34, no. 8, p. S511-518. (3.485 - IF2007).
17. **ADCA08** ALICE COLLABORATION ** MASERA, M. for Coll. (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). Heavy flavour physics in ALICE. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic Nucleus-Nucleus Collision, Jaipur, India, 4-10 February 2008. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 10, p. 104144-1-4. (3.485 - IF2007).
18. **ADCA09** ALICE COLLABORATION ** RANIWALA, S. for Coll. (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). Anisotropic flow measurements in ALICE. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic Nucleus-Nucleus Collision, Jaipur, India, 4-10 February 2008. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 10, p. 104165-1-4. (3.485 - IF2007).
19. **ADCA10** ALICE COLLABORATION ** MORSCH, A. for Coll. (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). Jet and gamma-jet physics with ALICE. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic Nucleus-Nucleus Collision, Jaipur, India, 4-10 February 2008. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 10, p. 104167-1-4. (3.485 - IF2007).
20. **ADCA11** ALICE COLLABORATION ** ESPAGNON, B. for Coll. (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). The ALICE muon spectrometer and related physics. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic

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 22. **ADCA13** ATLAS COLLABORATION ** LEBEDEV, A. for Coll. (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). Quarkonia studies in Pb+Pb collisions by the ATLAS experiment at LHC. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic Nucleus-Nucleus Collision, Jaipur, India, 4-10 February 2008. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 10, p. 104143-1-4. (3.485 - IF2007).
 23. **ADCA14** ATLAS COLLABORATION ** GRAU, N. for Coll. (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). Heavy-ion physics prospects with the ATLAS detector at the LHC. QM 2008 (Quark Matter 2008): 20th International Conference on Ultra-Relativistic Nucleus-Nucleus Collision, Jaipur, India, 4-10 February 2008. In *Journal of Physics G : Nuclear & Particle Physics*. ISSN 0954-3899, 2008, vol. 35, no. 10, p. 104040-1-8. (3.485 - IF2007).
 24. **ADCA15** ATLAS LIQUID ARGON EMEC/HEC COLLABORATION - PINFOLD, J. - SOUKUP, J. - ARCHAMBAULT, J.P. - COJOCARU, C. - KHAKZAD, M. - OAKHAM, G. - SCHRAM, M. - VINCTER, M.G. - DATSKOV, V. - DROBIN, V. - FEDOROV, A. - GOLUBYKH, S. - JAVADOV, N. - KALINNIKOV, V. - KAKURIN, S. - KAZARINOV, M. - KUKHTIN, V. - LADYGIN, E. - LAZAREV, A. - NEGANOV, A. - PETROVA, L. - PISAREV, I. - ROUSAKOVITCH, N. - SEROCHKIN, E. - SHILOV, S. - SHALYUGIN, A. - USOV, Yu. - BRUNCKO, Dušan - KLADIVA, Eduard - STAVINA, P. - STRÍŽENEC, Pavol - BARREIRO, F. - GABALDON, C. - LABARGA, F. - NEBOT, E. - OLIVER, C. - RODIER, S. - DEL PESO, J. - BELKIN, A. - HELDMANN, M. - KOEPKE, L. - OTHEGRAVEN, R. - SCHLIEPHAKE, T. - SCHROFF, D. - SECKER, H. - THOMAS, J. - ZEITNITZ, C. - BENCHOUK, C. - DJAMA, F. - HUBAUT, F. - MONNIER, E. - NIESS, V. - PRALAVORIO, P. - RAYMOND, M. - RESENDE, B. - SAUVAGE, D. - SERFON, C. - TISSERANT, S. - TOTH, J. - AZUELOS, G. - DELSART, P. - LEROY, C. - MEHDIYEV, R. - AKIMOV, A. - BLAGOV, M. - KOMAR, A. - SNESAREV, A. - SPERANSKY, M. - SULIN, V. - YAKIMENKO, M. - EPSHTEIN, V. - KHOVANSKY, V. - SHATALOV, P. - ADERHOLZ, M. - BARILLARI, T. - CWIENK, W.D. - FISCHER, A. - HABRING, J. - HUBER, J. - KAREV, A. - KIRYUNIN, A.E. - KURCHANINOV, L. - MENKE, S. - MOOSHOFFER, P. - OBERLACK, H. - SALIHAGIĆ, D. - CHEN, T. - PING, J. - QI, M. - KAZANIN, V. - MALYSHEV, V. - MASLENNIKOV, A. - POSPELOV, G. - SNOPOKOV, R. - SOUKHAREV, A. - TALYSHEV, A. - TIKHONOV, Y. - CAVALLERI, P. - SCHWEMLING, Ph. -

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27. **ADCA18** BÁNÓ, Mikuláš - PUDLÁK, Michal - TOMORI, Zoltán - DEMJÉN, Erna - HRMO, Igor - BOTHOVÁ, Hedviga. A novel surface shear viscometer. In *Review of Scientific Instruments*. ISSN 0034-6748, 2008, vol. 79, no. 4, p. 045102-1-4. (1.384 - IF2007).
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30. **ADCA21** BAŤKOVÁ, Marianna - BAŤKO, Ivan - FLACHBART, Karol - JANŮ, Z. - JUREK, K. - KONOVALOVA, E. - KOVÁČ, Jozef - REIFFERS, Marián - SECHOVSKY, V. - SHITSEVALOVA, N. - ŠANTAVÁ, Eva - ŠEBEK, Josef. Anomalous magnetoresistance of carbon-doped EuB₆: Possible role of nonferromagnetic regions. In *Physical Review B*. ISSN 1098-0121, 2008, vol. 78, no. 22, p. 224414-1-6. (3.172 - IF2007).
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171. **ADCB01** ALICE COLLABORATION (AAMONDT, K. -...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). The ALICE experiment at the CERN LHC. In *JINST : Journal of Instrumentation*. ISSN 1748-0221 online, 2008, vol. 3, S08002, p.1-245.
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ADEA Vedecké práce v zahraničných nekarentovaných časopisoch impaktovaných

180. **ADEA01** KOVÁČ, Jozef - ŠVEC, Peter - ŠKORVÁNEK, Ivan. Magnetocaloric effect in amorphous and nanocrystalline FeCrNbBCu alloys. In *Reviews on Advanced Materials Science*. ISSN 1606-5131, e 1605-8127, 2008, vol. 18, no. 6, p. 533-535. (1.122 - IF2007). (Wos)
181. **ADEA02** STALLER, Oliver - HOLZMANN, Dietmar - GRITZNER, G. - DIKO, Pavel - MIKOLAJ, Daniel - KOVÁČ, František. Textured nickel tapes prepared from commercially available material. In *Central European Journal of Chemistry*. ISSN 1895-1066, 2008, vol. 6, no. 2, p. 135-139. (0.754 - IF2007). (Wos)
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184. **ADEB01** ALICE COLLABORATION ** BOURDAUD, Guérolé for Collaboration (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). Gamma-jet physics with the Electro-Magnetic Calorimeter in the ALICE experiment at LHC. EPS-HEP 2007: Europhysics Conference on High Energy Physics, 19-25 July 2007, Manchester, England. In *Journal of Physics: Conference Series*. - Bristol : IOP. ISSN 1742-6588, 2008, vol. 110, part 3, p. 032006-1-4. (Scopus)
185. **ADEB02** ALICE COLLABORATION ** NYSTRAND, Joakim for Collaboration (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). Photon-Induced Physics with Heavy-Ion Beams in ALICE. International Workshop on High-Energy Photon Collisions at the LHC, CERN, Geneva, Switzerland, 22 – 28 April 2008. In *Nuclear Physics B - Proceedings Supplements*. ISSN 0920-5632, 2008, vol. 179-180, p. 156-161. (Scopus)
186. **ADEB03** ALICE COLLABORATION ** RAK, J. for Collaboration (-...- BÁN, Jaroslav -...- KRÁLIK, Ivan -...- KRIVDA, Marián -...- PASTIRČÁK, Blahoslav -...- ŠÁNDOR, Ladislav -...-). From RHIC to LHC. arXiv:0711.0981. HCP 2007: Hadron Collider Physics Symposium, La Biodola, Isola d'Elba, Italy, 20 – 26 May 2007. In *Nuclear Physics B - Proceedings Supplements*. ISSN 0920-5632, 2008, vol. 177-178, p. 167-172. (Scopus)
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188. **ADEB05** ATLAS COLLABORATION ** ROSSELET, L. for Collaboration (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). The Heavy-Ion Physics Programme with the ATLAS Detector. EPS-HEP 2007: Europhysics Conference on High Energy Physics, 19-25 July 2007, Manchester, England. In *Journal of Physics: Conference Series*. - Bristol : IOP. ISSN 1742-6588, 2008, vol. 110, part 3, p. 032015-1-5. (Scopus)
 189. **ADEB06** ATLAS and CMS COLLABORATION ** KUO, Chia-Ming for Collaboration (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). Diboson production at the LHC. EPS-HEP 2007: Europhysics Conference on High Energy Physics, 19-25 July 2007, Manchester, England. In *Journal of Physics: Conference Series*. - Bristol : IOP. ISSN 1742-6588, 2008, vol. 110, part 4, p. 042010-1-3. (Scopus)
 190. **ADEB07** ATLAS COLLABORATION ** ROSATI, Stefano for Collaboration (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). Standard Model Higgs Boson Searches at ATLAS. EPS-HEP 2007: Europhysics Conference on High Energy Physics, 19-25 July 2007, Manchester, England. In *Journal of Physics: Conference Series*. - Bristol : IOP. ISSN 1742-6588, 2008, vol. 110, part 4, p. 042022-1-3. (Scopus)
 191. **ADEB08** ATLAS COLLABORATION ** ZUR NEDDEN, Martin for Collaboration (-...- BÁN, Jaroslav -...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- KLADIVA, Eduard -...- SEMAN, Michal -...- STRÍŽENEC, Pavol -...- TOMASZ, Filip -...-). Precise B-Decay measurements sensitive to Beyond Standard Model Physics at ATLAS. EPS-HEP 2007: Europhysics Conference on High Energy Physics, 19-25 July 2007, Manchester, England. In *Journal of Physics: Conference Series*. - Bristol : IOP. ISSN 1742-6588, 2008, vol. 110, part 5, p. 052057-1-4. (Scopus)
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10. Vedecké a odborné práce v ostatných časopisoch

294. **ADEB27** BARANETS, N.V. - SOBOLEV, Ya.P. - CIOBANU, Mihai - VOJTA, Jaroslav - ŠMILAUER, Ja. - KLOS, Z. - ROTHKAEHL, H. - KIRAGA, A. - KUDELA, Karel - MATIŠIN, J. - AFONIN, V.V. - RYABOV, B.S. - ISAEV, N.V. Razvitije pučkovej neustojčivosti pri inžekcii slaboenergičnogo elektronnnogo pučka v ionosfernuju plazmu. In *Fizika Plazmy*. ISSN 0367-2921, 2008, tom 33, no. 12, s. 1086-1106. = Plasma Physics Reports. ISSN 1063-780X, 2007, vol. 33, no. 12, p. 995-1013. (- IF2007).
295. **ADEB29** BONDAR, D.I. - HNATICĚ, Michal - LAZUR, V.Yu. Symbolic Computations for the Two-Coulomb-Centers Problem in the Space of Arbitrary Dimension. MMCP 2006: Mathematical modeling and computational physics. International Conference dedicated to the 50th anniversary of the Joint Institute for Nuclear Research, 28.8.-1.9. 2006, High Tatra Mountains, Slovakia. In *Pisma v žurnal Fizika elementarnych častic i atomnogo jadra*. ISSN 1814-5957, 2008, tom 5, no. 3, p. 437-443.
296. **ADEB69** GÁL, Peter - TOMORI, Zoltán - NOVOTNÝ, Martin - FILICKÝ, Ferdinand - HUDÁK, Radovan - SABO, Ján - ŽIVČÁK, Jozef. Load speed affects the values of skin wound strength measured by a newly developed highly sensitive testing device. In *Lékař a technika : biomedicínské inženýrství a informatika*. ISSN 0301-5491, 2008, vol. 38, no. 2, p. 85-88.
297. **ADEB102** JURČIŠINOVÁ, Eva - JURČIŠIN, Marián - REMECKÝ, R. - SCHOLTZ, M. Numerical Investigation of Scaling Regimes in a Model of an Anisotropically Advected Vector Field. In *Pisma v žurnal Fizika elementarnych častic i atomnogo jadra*. ISSN 1814-5957, 2008, tom 5, no. 3, p. 380-386.
298. **ADEB103** JURÍKOVÁ, Alena - MIŠKUF, Jozef - CSACH, Kornel - OCELÍK, Václav. Creep-Induced Structural Changes in Ni-Si-B Amorphous Alloy. In *Problemy pročnosti : Meždunarodnyj naučno-techničeskij žurnal*. ISSN 0556-171X, 200, no. 1, p. 24-27.
299. **ADEB105** MIŠKUF, Jozef - CSACH, Kornel - JURÍKOVÁ, Alena - OCELÍK, Václav - BENGUS, V.Z. - TABACHNIKOVA, E.D. Failure of Zr50Ti16.5Cu15Ni18.5 Amorphous Metallic Ribbon. In *Problemy pročnosti : Meždunarodnyj naučno-techničeskij žurnal*. ISSN 0556-171X, 200, no. 1, p. 28-31.
300. **ADEB109** PASTIRČÁK, Blahoslav. FLUKA Monte Carlo Simulation Code As Used for Radiation Studies in the ALICE Experiment. In *Pisma v žurnal Fizika elementarnych častic i atomnogo jadra*. ISSN 1814-5957, 2008, tom 5, no. 3, p. 508-513.
301. **ADEB110** PODOLSKIY, A.V. - TABACHNIKOVA, E.D. - BENGUS, V.Z. - SMIRNOV, S. - CSACH, Kornel - MIŠKUF, Jozef - SAITOVA, L.P. - SEMENOVA, I.P. - VALIEV, R.Z. Mechničeskije svojstva, plastičnost' i osobennosti razrušenija ul'tramelkozernistogo splava Ti-6Al-4V ELI pri temperaturach 300 - 4,2 K. In *Journal of Functional Materials - Žurnal funkcional'nych materialov*. ISSN 1994-6279, 2007, vol. 1, no. 6, p. 235-239.
302. **ADEB113** SHAKHOV, B.A. - STEHLÍK, Milan. The alpha-effect and proton acceleration in the solar wind. In *Kinematika i fizika nebesnych tel : kosmičeskaja fizika*. ISSN 0233-7665, 2008, tom 24, no. 1, p. 28-34.
303. **ADEB114** SHAKHOV, B.A. - STEHLÍK, Milan. The alpha-Effect and Proton Acceleration in the Solar Wind. In *Kinematics and Physics of Celestial Bodies : space physics*. ISSN 0884-5913, 2008, vol. 24, no. 1, p. 19-24.

304. **ADEB116** TABACHNIKOVA, E.D. - PODOLSKIY, A.V. - BENGUS, V.Z. - SMIRNOV, S. - CSACH, Kornel - MIŠKUF, Jozef - SAITOVA, L. - SEMENOVA, I.P. - VALIEV, R.Z. Microstructural Features of Failure Surfaces and Low Temperature Mechanical Properties of Ti-6Al-4V ELI Ultra-Fine Grained Alloy. In *Problemy pročnosti : Meždunarodnyj naučno-techničeskij žurnal*. ISSN 0556-171X, 200, no. 1, p. 81-84.
305. **ADEB122** TIMKO, Milan - KOPČANSKÝ, Peter - REPAŠAN, Marián - KONERACKÁ, Martina - HNATIČ, Michal - DŽAROVÁ, Anežka - ŠTELINA, J. - MUSIL, C. - AYRJAN, E. Structuralization induced by the photothermal effect in magnetic fluid film. MMCP 2006: Mathematical modeling and computational physics. International Conference dedicated to the 50th anniversary of the Joint Institute for Nuclear Research, 28.8.-1.9. 2006, High Tatra Mountains, Slovakia. In *Pisma v žurnal Fizika elementarnych častic i atomnogo jadra*. ISSN 1814-5957, 2008, tom 5, no. 3, p. 558-564.

ADFB Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných

306. **ADFB01** BABÍK, Marian - DARÁNYI, Tomáš - FEKETE, V. - ŠŤAVINA, P. - ZAGIBA, M. - ŽENIŠ, T. GRID and FMPhI-UNIBA. In *Acta Physica Universitatis Comeniana*, 2008, vol. 48-49, no. 1 & 2, p. 65-69.
307. **ADFB02** BRUNCKO, Dušan - ŠŤAVINA, P. - STRÍŽENEC, Pavol - TOKÁR, S. - ŽENIŠ, T. Slovakia in Experiment ATLAS - Summary Review. In *Acta Physica Universitatis Comeniana*, 2007-2008, vol. 48-49, no. 1 & 2, p. 71-84.
308. **ADFB03** DŽAROVÁ, Anežka - TIMKO, Milan - ŠPRINCOVÁ, Adriana - KOPČANSKÝ, Peter - KOVÁČ, Jozef - KONERACKÁ, Martina - VACLAVÍKOVÁ, Miroslava - VÁVRA, Ivo. Formation and magnetic properties of magnetosomes. In *Materials Structure in Chemistry, Biology, Physics and Technology*. ISSN 1211-5894, 2008, vol. 15, no. 1, p. 10-12.

11. Vedecké a odborné práce v zborníkoch (konferenčných aj nekonferenčných, vydaných tlačou alebo na CD) a/ recenzovaných

AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

309. **AEC01** ATLAS COLLABORATION ZIMMERMANN, S. - BÁN, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol - TOMASZ, Filip. Status of ATLAS Detector Commissioning. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb, vol. 17 (2008))*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 91-98.
310. **AEC02** ATLAS COLLABORATION - COLLINS-TOOTH, C. - BÁN, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol - TOMASZ, Filip. The higgs discovery potential of ATLAS. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik

- Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 265-272.
311. **AEC03** ATLAS COLLABORATION - MYAGHOV, Alexey - BÁN, Jaroslav - BRUNCKO, Dušan - FERENCEI, Jozef - KLADIVA, Eduard - SEMAN, Michal - STRÍŽENEC, Pavol - TOMASZ, Filip. Physics beyond the standard model at ATLAS. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 299-304.
 312. **AEC04** CDF COLLABORATION ** CASARSA, Massimo for Collaboration (-...- ANTOŠ, Jaroslav -...- LYSÁK, Roman -...-). B0s oscillations. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 85-90.
 313. **AEC05** CDF COLLABORATION ** IVANOV, Andrew for Collaboration (-...- ANTOŠ, Jaroslav -...- LYSÁK, Roman -...-). Top and electroweak results from the Tevatron. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 117-130.
 314. **AEC06** CDF COLLABORATION ** MITREVSKI, Jovan for Collaboration (-...- ANTOŠ, Jaroslav -...- LYSÁK, Roman -...-). Single top quark production at the Fermilab tevatron collider. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 181-188.
 315. **AEC07** H1 COLLABORATION ** BOUTLE, S. for Collaboration (-...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- MURÍN, Pavol -...- TOMASZ, Filip -...-). Heavy Quark Production at HERA. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 77-84.
 316. **AEC08** H1 COLLABORATION KAPISHIN, Mikhail for Collaboration (-...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- MURÍN, Pavol -...- TOMASZ, Filip -...-) Diffraction and Vector Meson Production at HERA. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 131-142.
 317. **AEC09** H1 COLLABORATION (-...- BRUNCKO, Dušan -...- FERENCEI, Jozef -...- MURÍN, Pavol -...- TOMASZ, Filip -...-). Low-x Dynamics through Jet Studies. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fizika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 175-180.

318. **AEC10** H1 COLLABORATION ** BRACINIK, Juraj for Collaboration (-...- BRUNCKO, Dušan -...- FERENCEL, Jozef -...- MURÍN, Pavol -...- TOMASZ, Filip -...-). Physics with ep collisions at highest Q2 and Pt at the HERA collider. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fyzika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 231-240.
319. **AEC11** H1 COLLABORATION ** TYMIENIECKA, T. for Collaboration (-...- BRUNCKO, Dušan -...- FERENCEL, Jozef -...- MURÍN, Pavol -...- TOMASZ, Filip -...-). Fragmentation and Particle Production in DIS and Photoproduction. In *HADRON STRUCTURE '07 : 1st joint International Conference, Modra-Harmónia, Slovakia, 3-7 September 2007, sp. iss. Fyzika B (Zagreb), vol. 17 (2008)*. Eds. Erik Bartoš, Stanislav Dubnička, Anna Zuzana Dubničková. - Zagreb : Croatian Physical Society, 2008. ISSN 1330-0016, s. 305-312.

AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

320. **AED01** BELLOVÁ, A. - BALOGOVÁ, L. - GAŽOVÁ, Zuzana - DAXNEROVÁ, Z. - KRISTIAN, P. - ANTALÍK, Marián. Štúdium protiagregačného účinku akridínov na amyloidné štruktúry lysozýmu. In *Vedecké práce doktorandov : zborník zo seminára doktorandov venovanom pamiatke akademika Bođu*. Editor Dušan Fabian. - Košice : Ústav fyziológie hospodárskych zvierat SAV, 2008. ISBN 978-80-968618-2-8, s. 8-11.
321. **AED02** FLACHBART, K. - GABÁNI, S. - MAŤAŠ, S. - PAVLÍK, V. - PRIPUTEN, P. - SIEMENSMEYER, K. - SHTSEVALOVA, N. Magnetic Properties of Frustrated FCC-Antriferromagnets. In *16th Conference of Slovak Physicists, 10.-13.9.2007, Žilina*. Proceedings. Ed. M. Reiffers. Bratislava: Slovak Physical Society, 2008. ISBN 978-80-969124-5-2, p. 13-18.
322. **AED03** ILKOVIČ, Sergej - REIFFERS, Marián - IDZIKOWSKI, Bogdan. Assymetry of point contact characteristics of RECu5(RE - heavy rare earths) compounds. In *16th Conference of Slovak Physicists, 10.-13.9.2007, Žilina : proceedings*. - Bratislava : Slovak Physical Society, 2008. ISBN 978-80-969124-5-2, s. 83-84.
323. **AED04** KOLESÁR, V. - SOVÁK, P. - SAKSL, Karel - BRZÓZKA, K. - CSACH, Kornel. Structure and magnetic properties of Fe73.5-xVxCu1Nb3Si13.5B9 alloys. In *16th Conference of Slovak Physicists, 10.-13.9.2007, Žilina : proceedings*. - Bratislava : Slovak Physical Society, 2008. ISBN 978-80-969124-5-2, s. 71-72.
324. **AED05** SLIVKA, Marián - KUDELA, Karel. The enhancement of relativistic electron fluxes in outer radiation belt during time periods with low level of geomagnetic activity. In *16th Conference of Slovak Physicists, 10.-13.9.2007, Žilina : proceedings*. - Bratislava : Slovak Physical Society, 2008. ISBN 978-80-969124-5-2, s. 75-76.
325. **AED06** SLIVKA, Marián - KUDELA, Karel. The energy spectra of relativistic electrons in outer radiation belt during may 15, 2005 magnetic storm time. In *16th Conference of Slovak Physicists, 10.-13.9.2007, Žilina : proceedings*. - Bratislava : Slovak Physical Society, 2008. ISBN 978-80-969124-5-2, s. 77-78.

AEGA Stručné oznámenia, abstrakty vedeckých prác v zahraničných karentovaných časopisoch

impaktovaných

326. **AEGA01** PONIKOVÁ, Slavomíra - ANTALÍK, Marián - HIANIK, Tibor. Acircular dichroism study of the stability of guanine quadruplexes of thrombin DNA aptamers at presence of potassium and sodium. Abstracts of the 33rd FEBS Congress and 11th IUBMB Conference, 28.6.-3.7. 2008, Athens, Greece. In *FEBS Journal*. ISSN 1742-464X, 2008, vol. 275, suppl. 1, abstr.PP8-71, p. 404. (3.396 - IF2007).

AFA Publikované pozvané príspevky na zahraničných vedeckých konferenciách

327. **AFA01** KONERACKÁ, Martina - ZÁVIŠOVÁ, Vlasta - MUCKOVÁ, M. - JURÍKOVÁ, Alena - TOMAŠOVIČOVÁ, Natália - LANCZ, Gábor - KOPČANSKÝ, Peter - TIMKO, Milan - FABIÁN, Martin. Anti-cancer drug taxol loaded by magnetic polymer nanospheres for biomedical applications. In *Proceedings of the 7th International PAMIR Conference Fundamental and Applied MHD and COST P17 Annual Workshop 2008, Presqu'île de Giens, France, September 8 - 12, 2008 : Volume 1/2*, invited lecture, S. 29-34.

AFBA Publikované pozvané príspevky na medzinárodných vedeckých konferenciách poriadaných v SR

328. **AFBA01** KOŽÁR, Tibor. High-throughput computing in molecular modeling and design. In *GCCP 2007 : proceedings of the 3rd International Workshop on Grid Computing for Complex Problems, Bratislava, October 22-23, 2007*. Edited by Ladislav Hluchý, Jolana Sebestyénová, Peter Kurdel and Miroslav Dobrucký. - Bratislava : Institute of Informatics, Slovak Academy of Sciences, 2007. ISBN 978-80-969202-7-3, invited lecture, S. 8-16.

AFBB Publikované pozvané príspevky na domácich vedeckých konferenciách

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330. **AFBB02** ZENTKOVÁ, Mária. Adventure of knowledge. In *Tvorivý učiteľ fyziky : festival fyziky 2008, Smolenice, 22.-25. jún 2008*. ISBN 978-80-969124-6-9. Vyžiadaná prednáška.

11.Vedecké a odborné práce v zborníkoch (konferenčných aj nekonferenčných, vydaných tlačou alebo na CD) b/ nerecenzovaných

AEE Vedecké práce v zahraničných nerecenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

331. **AEE01** STROBL, S. - WAGESREITHER, J. - GIERL, C. - KUPKOVÁ, M. - KUPKA, Martin - ČERNÝ, M. Mechanical properties of PM copper-alloyed iron parts with microgradient structure. In *PM Auto 08: 5th International Congress on Powder Metallurgy for Automotive Parts, Isfahan, Iran, April 6-8, 2008*. B.V., 2008.

AFC Publikované příspěvky na zahraničních vědeckých konferencích

332. **AFC01** FIROZ, K.A. - KUDELA, Karel. Cosmic Rays and Low Energy Particle Fluxes. In *WDS 2007 : proceedings of the 16th Annual Conference of Doctoral Students, Prague, 5th June - 8th June, 2007*. Editor Jana Šafránková, Jiří Pavlů. - Prague : Matfyzpress, 2007. ISBN 978-80-7378-024-1, part II, S. 106-110.
333. **AFC02** H1 and ZEUS COLLABORATION ** MONTANARI, A. for Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...- TOMASZ, F. -...-) Searches for new physics and electroweak measurements at HERA. In *YALTA 2007 : Summer School And Conference On New Trends In High-Energy Physics (Experiment, Phenomenology, Theory), 15-22 September 2007, Yalta, Crimea, Ukraine*, s. 29-35.
334. **AFC03** H1 and ZEUS COLLABORATION ** ZARNECKI, A.F. for Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...- TOMASZ, F. -...-) Electroweak studies and search for new phenomena at HERA. In *21st Les Rencontres De Physique, de La Vallee D'Aoste, 4-10 Mar 2007, La Thuile, Aosta, Italy*, s. 493-503.
335. **AFC04** H1 and ZEUS COLLABORATION ** JONSSON, L. for Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...- TOMASZ, F. -...-) Determination of the parton densities of the proton and alp ha(s) at HERA. In *21st Les Rencontres De Physique, de La Vallee D'Aoste, 4-10 Mar 2007, La Thuile, Aosta, Italy*, s. 161-174.
336. **AFC05** H1 and ZEUS COLLABORATION ** LAYCOCK, P. for Collaboration (-...- BRUNCKO, D. -...- FERENCEI, J. -...- MURÍN, P. -...- TOMASZ, F. -...-). Diffractive PDFs. In *EDS 2007 : Proceedings of the International Conference on Elastic and Diffractive Scattering Forward Physics and QCD, May 21-25, 2007, DESY, Hamburg, Germany*, s. 90-95.
337. **AFC06** JURČIŠINOVÁ, Eva - JURČIŠIN, Marián - REMECKÝ, R.. Intermittency and anomalous scaling in a model of magnetohydrodynamic turbulence. In *Proceedings of the 7th International PAMIR Conference Fundamental and Applied MHD and COST P17 Annual Workshop 2008, Presqu'île de Giens, France, September 8 - 12, 2008 : Volume 1/2*, s. 375-379. Prednáška.
338. **AFC07** KOŇÁK, Č. - SEDLÁK, Marián. ph-sensitive nanoparticles formed by interchain hydrogen bonding. In *PPS-24 : Proceedings of the 24th Annual Meeting of the Polymer Processing Society will take place in Salerno, Italy, June 15 - 19, 2008*, S. 720-721.
339. **AFC08** KOPČANSKÝ, Peter - TOMAŠOVIČOVÁ, Natália - KONERACKÁ, Martina - ZÁVIŠOVÁ, Vlasta - TIMKO, Milan - DŽAROVÁ, Anežka - ŠPRINCOVÁ, Adriana - TOMČO, Ladislav - ÉBER, N. - FODOR-CSORBA, K. - TÓTH-KATONA, T. - VAJDA, A. - JADZYN, Jan. The role of shape of fine magnetic particles on structural transitions in ferronematics. In *Proceedings of the 7th International PAMIR Conference Fundamental and Applied MHD and COST P17 Annual Workshop 2008, Presqu'île de Giens, France, September 8 - 12, 2008 : Volume 2/2*, s. 691-695. Prednáška.
340. **AFC09** NEMČÍK, Ján. Nuclear shadowing in the light-cone dipole approach. In *LHC 07 : Workshop on High-pT Physics at LHC, Jyväskylä, Finland, 23.-27.3. 2007 - PoS(LHC07)028*, s. 1-16.

341. **AFC10** ŠKORVÁNEK, Ivan - MARCIN, Jozef - TURČANOVÁ, Jana - KOVÁČ, Jozef - ŠVEC, Peter. Effects of heat treatment under an external magnetic field on the soft magnetic properties in FeCo-based nanocrystalline alloys. In *Proceedings of the 7th International PAMIR Conference Fundamental and Applied MHD and COST P17 Annual Workshop 2008, Presqu'île de Giens, France, September 8 - 12, 2008 : Volume 2/2*, s. 753-757. Prednáška.
342. **AFC11** TIMKO, Milan - KOPČANSKÝ, Peter - TOMČO, Ladislav - MARTON, K. - HERCHL, František - KONERACKÁ, Martina - KOLCUNOVÁ, I. Dielectric properties of transformer oil based magnetic fluids. In *Proceedings of the 7th International PAMIR Conference Fundamental and Applied MHD and COST P17 Annual Workshop 2008, Presqu'île de Giens, France, September 8 - 12, 2008 : Volume 2/2*, s. 737-741. Poster.
343. **AFC12** ZENTKOVÁ, Mária - MIHALIK, Marián - ZENTKO, Anton - BROSCHOVÁ, Klára - ČEPIŠÁKOVÁ, Andrea. Physica Insita. In *GIREP -EPEC Conference Frontiers of Physics Education, 26-31 August, 2007, Opatija, Croatia : Selected Contributions*. - Rijeka : Zlatni rez, 2008. ISBN 978-953-55066-1-4, s. 392-397.

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

AFG Abstrakty príspevkov zo zahraničných konferencií

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