

Odborné časopisy

1. HARTLOVÁ, A., SLAVÍK, M., HEJSKOVÁ, P. 2022. Cooperative learning using shared digital platforms in science education. International scientific conference *Media & Education*. ed. J. Chromý, p. 45–48. ISBN 978–80–87570–60–9. 33,3 %. **D.**
2. Zavattini, G., Kunc, S. et al. “Polarimetry for Measuring the Vacuum Magnetic Birefringence with Quasi-Static Fields: A Systematics Study for the VMB@CERN Experiment.” *European Physical Journal C*, vol. 82, no. 2, Feb. 2022, p. 159, <https://doi.org/10.1140/epjc/s10052-022-10100-x>.
3. Svára D., Koprivová B.; Píček T.; Míkes P., Kluk A., Soos M., The impact of the lamination pressure on the properties of electrospun nanofibrous films, *European Journal of Pharmaceutical Sciences*, Volume 173, Article Number 106170, DOI 10.1016/j.ejps.2022.106170, Published JUN 1 2022
4. Alexeev, G.D., Alexeev, M.G., Amoroso, A., Andrieux, V., Anosov, V., Augsten, K., Augustyniak, W., Azevedo, C.D.R., Badelek, B., Balestra, F., Ball, M., Barth, J., Beck, R., Bedfer, Y., Antequera, J.B., Bernhard, J., Bodlak, M., Bradamante, F., Bressan, A., Burtsev, V.E., Chang, W.-C., Chatterjee, C., Chiosso, M., Chumakov, A.G., Chung, S.-U., Cicuttin, A., Correia, P.M.M., Crespo, M.L., D’Ago, D., Dalla Torre, S., Dasgupta, S.S., Dasgupta, S., Denisenko, I., Denisov, O.Y., Donskov, S., Doshita, N., Dreisbach, C., Duennweber, W., Dusaev, R.R., Efremov, A., Ereemeev, D., Eversheim, P.D., Faccioli, P., Faessler, M., Finger, M., Finger, M., Fischer, H., Floethner, K., Franco, C., Friedrich, J.M., Frolov, V., Ordonez, L.G., Gautheron, F., Gavrichtchouk, O.P., Gerassimov, S., Giarra, J., Giordano, D., Gorzellik, M., Grasso, A., Gridin, A., Perdekamp, M.G., Grube, B., Gruner, M., Guskov, A., Haas, F., von Harrach, D., Heitz, R., Hoffmann, M., Horikawa, N., D’Hose, N., Hsieh, C.-Y., Huber, S., Ishimoto, S., Ivanov, A., Iwata, T., Jandek, M., Jary, V., Joosten, R., Kabuss, E., Kaspar, F., Kerbizi, A., Ketzer, B., Khaustov, G., Khokhlov, Y.A., Kisselev, Y., Klein, F., Koivuniemi, J.H., Kolosov, V.N., Konorov, I., Konstantinov, V.F., Kotzinian, A.M., Kouznetsov, O.M., Koval, A., Kral, Z., Krinner, F., Kunne, F., Kurek, K., Kurjata, R.P., Kveton, A., Lavickova, K., Levorato, S., Lian, Y.-S., Lichtenstadt, J., Lin, P.-J., Longo, R., Lyubovitskij, V.E., Maggiora, A., Magnon, A., Makins, N., Makke, N., Mallot, G.K., Maltsev, A., Mamon, S.A., Marianski, B., Martin, A., Marzec, J., Matousek, J., Matsuda, T., Mattson, G., Metzger, F., Meyer, M., Meyer, W., Mikhailov, Y., Mikhasenko, M., Mitrofanov, E., Miyachi, Y., Moretti, A., Nagaytsev, A., Naim, C., Neyret, D., Novy, J., Nowak, W.-D., Nukazuka, G., Olshevsky, A.G., Ostrick, M., Panzner, D., Parsamyan, B., Paul, S., Pekeler, H., Peng, J.-C., Pesek, M., Peshekhonov, D., Peskova, M., Pierre, N., Platchkov, S., Pochodzalla, J., Polyakov, V.A., Pretz, J., Quaresma, M., Quintans, C., Reicherz, G., Riedl, C., Rudnicki, T., Ryabchikov, D., Rychter, A., Rymbekova, A., Samoylenko, V.D., Sandacz, A., Sarkar, S., Savin, I.A., Sbrizzai, G., Schmeing, S., Schmieden, H., Selyunin, A., Sharko, K., Sinha, L., Slunecka, M., Spuelbeck, D., Srnka, A., Steffen, D., Stolarski, M., Subrt, O., **Sulc, M.**, Suzuki, H., Tessaro, S., Tessarotto, F., Thiel, A., Tomsa, J., Tosello, F., Townsend, A., Triloki, T., Tskhay, V., Uhl, S., Valinoti, B., Vauth, A., Veit, B.M., Veloso, J., Ventura, B., Vidon, A., Virius, M., Wagner, M., Wallner, S., Zarembo, K., Zavertyaev, M., Zemko, M., Zemlyanichkina, E., Zhao, Y., Ziembicki, M., Exotic meson  $\pi_1(1600)$  with  $J^{PC}=1^{+-}$  and its decay into  $\rho(770)\pi$ , *Phys. Rev. D* **105** (2022),

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## Konference a semináře

1. HARTLOVÁ, A., SLAVÍK, M., **HEJSKOVÁ, P.** 2022. Developing digital competences within the framework of interdisciplinary relations of natural sciences by inquiry based learning. International conference Project-based and other student-activation strategies and issues in science education XX. Praha: Charles University, Faculty of Education. 33,3 %.
2. **HEJSKOVÁ, P.** 2022. Magnety v hodině fyziky. Sborník příspěvků z mezinárodní konference VELETRH NÁPADŮ UČITELŮ FYZIKY 27, Olomouc, Univerzita

Palackého v Olomouci. ISBN: 978-80-244-6217-2, p. 52-57, 6 pages, 2022. 100 %. D.

3. **Kopáček O.:** 31st Texas Symposium on Relativistic Astrophysics (12. – 16. 9. 2022, Praha), přednáška „Role of non-axisymmetry in electro-vacuum magnetospheres of compact objects“
4. **Roiková, E., Kunc Š.** “Stokes CMOS Polarimetry Limits Studied at Non-Classical Polarisation States.” EPJ Web of Conferences, vol. 266, 2022, p. 10016, <https://doi.org/10.1051/epjconf/202226610016>.
5. **Šulc M.:** Agarwala, J., Alexeev, M., Azevedo, C.D.R., Bradamante, F., Bressan, A., Büchele, M., Chatterjee, C., Chiosso, M., Cicuttin, A., Ciliberti, P., Crespo, M.L., D’Ago, D., Torre, S.D., Dasgupta, S., Denisov, O., Finger, M., Finger, M., Fischer, H., Ordóñez, L.G., Gregori, M., Hamar, G., Herrmann, F., Levorato, S., Martin, A., Menon, G., Panzieri, D., Sbrizzai, G., Schopferer, S., Slunicka, M., Sulc, M., Tessarotto, F., Triloki, Veloso, J.F.C.A., Zhao, Y.X., 2022. The COMPASS RICH-1 MPGD based photon detector performance, International Conference on Technology and Instrumentation in Particle Physics 23.05. – 28.05.2021 Online, publikováno v J. Phys. Conf. Ser. 2374 (2022), 012126. <https://doi.org/10.1088/1742-6596/2374/1/012126>
6. Dusek, M., Polak, K., Gayde, J.-C., **Sulc, M.**, Mergelkuhl, D., Niewiem, W.G., Detection of structured laser beam centroid and its use for alignment, 16th International Workshop on Accelerator Alignment (IWAA 2022), Ferney-Voltaire, France, 31.10. – 4.11.2022, CERN-BE-2023-012
7. Gayde, J.-C., Polak, K., **Sulc, M.**, Introduction to Structured laser beam for alignment and status of the R&D, 16th International Workshop on Accelerator Alignment (IWAA 2022), Ferney-Voltaire, France, 31.10. – 4.11.2022, CERN-BE-2023-013
8. Polak, K., Gayde, J.-C., **Sulc, M.**, Structured laser beam in non-homogeneous environment, 16th International Workshop on Accelerator Alignment (IWAA 2022), Ferney-Voltaire, France, 31.10. – 4.11.2022, CERN-BE-2023-014
9. Polak, K., Gayde, J.-C., **Sulc, M.**, Structured laser beam for alignment and large-scale metrology, 22nd International Conference and Exhibition EUSPEN 2022, 30.05. – 03.06.2022, Ženeva, Švýcarsko, publikováno v the European Society for Precision Engineering and Nanotechnology Conference Proceedings, pp. 301–304, ISBN 978-199899911-8
10. **Sulc, M.**, Gayde, J.-C., Low Divergence Structured Beam In View Of Precise Long-Range Alignment, EOS Annual Meeting (EOSAM 2022), Porto, Portugal, 12.09. - 16.09.2022, publikováno v EPJ Web of Conferences 266 (2022), 10024, <https://doi.org/10.1051/epjconf/202226610024>
11. **Vokurka K.:** Experimentální studium strmosti čela rázových vln. 102. akustický seminář, Třeboň, 18. – 20. 10. 2022 (sborník: České vysoké učení technické v Praze,

2022, redakce sborníku: M. Brothánek, ISBN: 978-80-01-07047-5, str. 23-28).