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2. O. Šubrt et al. *Reinforcement Learning in the Load Balancing Problem for the iFDAQ of the COMPASS Experiment at CERN*. SciTePress (February 2020), 734-741. Proceedings of the 12th International Conference on Agents and Artificial Intelligence (ICAART 2020), Valletta, Malta, February 22-24, 2020. ISBN 978-989-758-395-7.
3. O. Šubrt et al. *Modified Differential Evolution in the Load Balancing Problem for the iFDAQ of the COMPASS Experiment at CERN*. SciTePress (September 2019), 213-220. Proceedings of the 11th International Joint Conference on Computational Intelligence (IJCCI 2019), Vienna, Austria, September 17-19, 2019. ISBN 978-989-758-384-1.
4. O. Šubrt et al. *The Continuously Running iFDAQ of the COMPASS Experiment*. EPJ Web of Conferences **214** (September 2019), 8 pages. 23rd International Conference on Computing in High Energy Physics (CHEP 2018), Sofia, Bulgaria, July 9-13, 2018.
5. O. Šubrt et al. *The Online Monitoring API for the DIALOG Library of the COMPASS Experiment*. EPJ Web of Conferences **214** (September 2019), 8 pages. 23rd International Conference on Computing in High Energy Physics (CHEP 2018), Sofia, Bulgaria, July 9-13, 2018.
6. O. Šubrt et al. *The DAQ Debugger for iFDAQ of the COMPASS Experiment*. International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering **11** (December 2017), 448-456. 19th International Conference on Engineering, Computational and Technological Innovative Sciences, Amsterdam, the Netherlands. ISSN 1307-6892.

7. O. Šubrt et al. *The Communication Library DIALOG for iFDAQ of the COMPASS Experiment*. International Journal of Mathematical, Computational, Physical, Electrical and Computer Engineering **11** (September 2017), 372-381. 19th International Conference on High Energy Physics, Paris, France. ISSN 1307-6892.

Publikace jako první autor nevztahující se k tématu studie k disertační práci (popř. disertační práce):

1. O. Šubrt and V. Merunka. *The Algorithmizable Modeling of the Object-Oriented Data Model in Craft.CASE*. Lecture Notes in Business Information Processing **272** (June 2016), 98-110. EOMAS 2016: Enterprise and Organizational Modeling and Simulation. CAiSE 2016 conference, EOMAS workshop, Ljubljana, Slovenia. ISBN 978-3-319-49454-8.
2. O. Šubrt, K. Macek and M. Virius. *Modified Differential Evolution in Load Dispatch Optimization Problem*. 20th Annual Conference Proceeding's Technical Computing Bratislava 2012 (November 2012). Technical Computing Bratislava 2012, Bratislava, Slovakia.

Publikace, kde jsem uveden na seznamu autorů, se vztahem k tématu studie k disertační práce (popř. disertační práce):

1. A. Kveton et al. *A multi-purpose user interface for the iFDAQ of the COMPASS experiment*. 7 pages. 24th International Conference on Computing in High Energy Physics (CHEP 2019), Adelaide, Australia, July 4-8, 2019. Forthcoming, accepted for publication.
2. D. Steffen et al. *Intelligence Elements and Performance of the FPGA-based DAQ of the COMPASS Experiment*. Proceedings of Science (March 2018), 127-131. Topical Workshop on Electronics for Particle Physics (TWEPP 2017), Santa Cruz, California, USA, September 2017.
3. D. Steffen et al. *Overview and Future Developments of the intelligent, FPGA-based DAQ (iFDAQ) of COMPASS*. Proceedings of Science (February 2017), 912-915. 38th International Conference on High Energy Physics (ICHEP 2016), Chicago, IL, USA, August 2016.

Publikace, kde jsem uveden na seznamu autorů, nevztahující se k tématu studie k disertační práci (popř. disertační práce):

1. M. G. Alexeev et al. *Antiproton over proton and K^- over K^+ multiplicity ratios at high z in DIS*. Physics Letters B. Elsevier **807** (August 2020), 19 pages. DOI 10.1016/j.physletb.2020.135600.
2. J. Agarwala et al. *Contribution of exclusive diffractive processes to the measured azimuthal asymmetries in SIDIS*. Nuclear Physics B. Elsevier **956** (July 2020), 13 pages. DOI 10.1016/j.nuclphysb.2020.115039.
3. M. G. Alexeev et al. *Measurement of the cross section for hard exclusive π^0 muoproduction on the proton*. Physics Letters B. Elsevier **805** (June 2020), 9 pages. DOI 10.1016/j.physletb.2020.135454.
4. R. Akhunzyanov et al. *Transverse extension of partons in the proton probed in the sea-quark range by measuring the DVCS cross section*. Physics Letters B. Elsevier **793** (June 2019), 188-194. DOI 10.1016/j.physletb.2019.04.038.
5. M. G. Alexeev et al. *Measurement of P_T -weighted Sivers asymmetries in leptonproduction of hadrons*. Nuclear Physics B. Elsevier **940** (March 2019), 34-53. DOI 10.1016/j.nuclphysb.2018.12.024.
6. M. Aghasyan et al. *Light isovector resonances in $\pi p \rightarrow \pi\pi\pi^+p$ at 190 GeV/c*. Physical Review D **98** (November 2018), issue 9. DOI 10.1103/PhysRevD.98.092003.

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8. C. Adolph et al. *Azimuthal asymmetries of charged hadrons produced in high-energy muon scattering off longitudinally polarised deuterons*. The European Physical Journal C. Springer Science **78** (November 2018), 952. DOI 10.1140/epjc/s10052-018-6379-7.
9. M. Aghasyan et al. *Search for muoproduction of $X(3872)$ at COMPASS and indication of a new state $\tilde{X}(3872)$* . Physics Letters B. Elsevier **783** (August 2018), 334-340. DOI 10.1016/j.physletb.2018.07.008.
10. M. Aghasyan et al. *Longitudinal double-spin asymmetry A_1^p and spin-dependent structure function g_1^p of the proton at small values of x and Q^2* . Physics Letters B. Elsevier **781** (June 2018), 364-472. DOI 10.1016/j.physletb.2018.03.044.
11. M. Aghasyan et al. *New analysis of $\eta\pi$ tensor resonances measured at the COMPASS experiment*. Physics Letters B. Elsevier **779** (April 2018), 364-472. DOI 10.1016/j.physletb.2018.01.017.
12. M. Aghasyan et al. *Transverse-momentum-dependent Multiplicities of Charged Hadrons in Muon-Deuteron Deep Inelastic Scattering*. Physical Review D **97** (February 2018), issue 3. DOI 10.1103/PhysRevD.97.032006.
13. M. Aghasyan et al. *First measurement of transverse-spin-dependent azimuthal asymmetries in the Drell-Yan Process*. Physical Review Letters **119** (September 2017), issue 11. DOI 10.1103/PhysRevLett.119.112002.
14. C. Adolph et al. *First measurement of the Sivers asymmetry for gluons using SIDIS data*. Physics Letters B. Elsevier **772** (September 2017), 854-864. DOI 10.1016/j.physletb.2017.07.018.
15. C. Adolph et al. *Sivers asymmetry extracted in SIDIS at the hard scales of the Drell-Yan process at COMPASS*. Physics Letters B. Elsevier **770** (July 2017), 138-145. DOI 10.1016/j.physletb.2017.04.042.
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17. C. Adolph et al. *Multiplicities of charged kaons from deep-inelastic muon scattering off an isoscalar target*. Physics Letters B. Elsevier **767** (April 2017), 131-141. DOI 10.1016/j.physletb.2017.01.053.