


List of scientific papers

Please note that I am co-author for more than 450 publications (IN-SPIRE/High-Energy Physics Literature Database, <https://inspirehep.net/?ln=en> and/or by Scopus, <http://www.scopus.com>), including as well the publication in behalf of the CDF Collaboration, printed in Phys.Rev.Lett., Phys.Rev.D, Nucl. Instrum. Meth., and other peer-reviewed journals.

I would like present below just minor list of my publication in which my contribution is significant. I have to take also your attention that the authors sequence in my publication list usually indicated in alphabetic even I made the principal contribution.

1. Light yield and radiation hardness studies of scintillator strips with a filler, Akram Artikov, ... , D.Chokheli et al., Nucl.Instrum.Meth. A930 (2019) 87-94
2. Photoelectron Yields of Scintillation Counters with Embedded Wavelength-Shifting Fibers Read Out With Silicon Photomultipliers, Akram Artikov, ... , D.Chokheli et al., Nucl.Instrum.Meth. A890 (2018) 84-95
3. Participation of JINR in the CDF Experiment, A. Artikov, ... , D. Chokheli et al, Phys.Part.Nucl. 49 (2018) no.6, 973-1035
4. The increase of the light collection from scintillation strip with hole for WLS fiber using various types of fillers, A. Simonenko, ... , D.Chokheli et al., Phys.Part.Nucl.Lett. 14 (2017) no.1, 139-143
5. Optimization of light yield by injecting an optical filler into the co-extruded hole of the plastic scintillation bar, A.Artikov, ... , D.Chokheli et al., JINST 11 (2016) no.05, T05003
6. Performance of Scintillator Counters with Silicon Photomultiplier Readout, Mu2e Cosmic Ray Veto Group (A. Artikov (Dubna, JINR), ... , D.Chokheli et al.). Nov 1, 2015. 11 pp. DPF2015-350, Conference: C15-08-04 Proceedings
7. Fermilab Testbeam Facility Annual Report – FY 2015, M.G. Albrow (Fermilab), ... , D.Chokheli et al.. Nov 2015. 30 pp. FERMILAB-TM-2615-DI
8. In-air ion beam analysis with high spatial resolution proton microbeam. M. Jakšić, D. Chokheli, S. Fazinić, V. Grilj, N. Skukan, I. Sudić, T. Tadić, T. Antičić, Published in Nucl. Instrum. Meth. B371:185-188, 2016
9. Optimization of light yield by injecting an optical filler into the co-extruded hole of the plastic scintillation bar. A. Artikov,... , D. Chokheli, et al, Published in JINST, 2016 JINST 11 T05003
10. Test beam studies of CRV prototype for Mu2e, Mu2e Document 5541-v4, G. Dukes,..., D.Chokheli et al., May 18, 2015
11. Thin single crystal diamond detectors for alpha particle detection. F. Schirru, D. Chokheli, M. Kiš. 2012, 7pp. Published in Diamond & Related Materials 49 (2014) 96–102.
12. Study of the long-term stability of thin scCVD based detector for alpha spectroscopy. D.Chokheli et al. , 2nd ADAMAS Workshop at GSI, Darmstadt, December 15 - December 17, 2013
13. The loss of light yield with time in the CDF II scintillation counters. A. Artikov, D. Chokheli, G. Pauletta, A. Simonenko. 2012, 7pp. Published in Nucl. Instrum. Meth. A672:46-51, 2012
14. Upgraded control system of scintillation counters at CDF II muon trigger. A. V. Simonenko, A. M. Artikov, V. V. Glagolev, F. V. Prokoshin, D. Chokheli. 2010. Published in Part.Nucl. Lett.7(№6):114:419-427, 2010

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15. "Top-Quark Mass Measurement in the 2.1 fb^{-1} Tight Lepton and Isolated Track Sample Using Neutrino ϕ Weighting Method." A.Artikov, ... , D.Chokheli et al. (on behalf of the CDF Collaboration), JINR preprint, E1-2008-7
16. Possible modification of level 1 trigger of the CDF muon system at increased Tevatron luminosity. A. Artikov, G. Chlachidze, D. Chokheli, and C. Bromberg. Part.Nucl.Lett.5(№2):114:171-188, 2008
17. Scintillation counters of the muon system at CDF II. A.M. Artikov, O.E. Pukhov, G.A. Chlachidze, D. Chokheli. 2008. 14pp. Published in Phys.Part.Nucl.39:410-423, 2008.
18. Reply to the comment on 'On the aging of the scintillation counters for RUN II Muon system at CDF'. A. Artikov, D. Chokheli (Dubna, JINR) . 2008. 2pp. Published in Nucl.Instrum.Meth.A591:468-469,2008.
19. Study of SiPM with help of transient processes induced by light, dark-noise and current pulses. D.Chokheli, V.Grebenyuk, and A.Kalinin. Presented at NEC'2007 - XXI-th International Symposium on Nuclear Electronics and Computing, Varna, Bulgaria, 10-17 September, 2007.
20. On the aging of the scintillation counters for RUN II Muon System at CDF. A. Artikov, D. Chokheli, O. Pukhov, G. Pauletta. 2007. 13pp. Published in Nucl.Instrum.Meth.A579:1122-1134,2007.
 - a. On the aging of the CSP and CSX counters. A.Artikov, ... , D.Chokheli et al., **CDF Note:** CDF/PUB/MUON/PUBLIC/7033, May 2004.
21. New-generation large-area muon scintillation counters with wavelength shifter fiber readout for CDF II. A. Artikov *et al.* 2006. 13pp., Published in Phys.Part.Nucl.Lett.3:188-200, 2006.
22. Properties of the Ukraine polystyrene-based plastic scintillator UPS 923A. A.Artikov, ..., D.Chokheli et al., JINR-D13-2005-111, Jul 2005. 15pp. Published in Nucl.Instrum.Meth.A555:125-131,2005.
23. Design and construction of new central and forward muon counters for CDF II. A.Artikov, ... , D.Chokheli et al., 19pp., Published in Nucl. Instrum. Meth. A538:353-371, 2005
24. A new scintillator tile / fiber preshower detector for the CDF central calorimeter. M. Gallinaro, ... , D.Chokheli et al., Presented at 2004 IEEE Nuclear Science Symposium and Medical Imaging Conference (NSS / MIC), Rome, Italy, 16-22 Oct 2004, e-Print Archive: physics/0411056.
 - a. The preshower a new multichannel detector for the CDF. The scintillator plates of the new detector: design, production, quality control. A.Artikov, ... , D.Chokheli et al., JINR preprint, P13-2005-27, 2005.
 - b. CDF Central Preshower and Crack Detector Upgrade. A. Artikov, ..., D. Chokheli et al. ANL-HEP-PR-07-09, FERMILAB-PUB-07-023-E, INFN-PI-N-2007-01, Jun 2007. 22pp. e-Print: arXiv:0706.3922 [physics.ins-det]
25. Minimum bias scintillator counter geometry. A. Artikov, D. Chokheli, J. Huston, B. Miller, and M. Nessi. Technical Report AT-GE-ES-0001, CERN, 2004.
26. The 'miniskirt' counter array at CDF-II. A.Artikov, ... , D.Chokheli et al., Part.Nucl.Lett.5:114:25-39, 2002
27. "Automatization of the monitoring and control of the muon scintillation counters at CDF II." O.Pukhov, ... , D.Chokheli et al., Published in Part.Nucl.Lett.5:114:72-81, 2002.