

CURRICULUM VITAE OF VLADIMIR V. GLAGOLEV

Date and place of birth: 23 August 1962, Dubna, Moscow Region, USSR

Citizenship: Russian Federation

Office Address: Dzhelapov Laboratory of Nuclear Problems (DLNP), Joint Institute for Nuclear Research, 141980 Dubna, Moscow Region, Russia. E-mail: vlglagolev@jinr.ru, Fax: +7-49621-66 666

Education:

1979–1985 Student, Moscow Engineering Physics Institute, Department of Experimental and Theoretical Physics

Degrees:

1995 Candidate of Sciences (Physics and Mathematics) (PhD). Thesis: “Development of the calorimetry methods, their use in research of K^+ meson decays and in collider experiments at the TeV energy range”, Laboratory of Nuclear Problems, JINR (Supervisor: Dr. A. A. Semenov)

2007 Doctor of Sciences (Physics and Mathematics). Thesis: “Measurement of the t-quark mass, the development and application of methodic of the secondary vertex registration in the research on c-, b-quarks physics at CDF2 setup”, Dzhelapov Laboratory of Nuclear Problems, JINR

Professional career:

1985-1991 Engineer, Laboratory of Nuclear Problems (LNP), JINR

1991-1992 Junior Research Scientist, LNP

1992-1998 Research Scientist, LNP

1998-2008 Senior Research Scientist, LNP

2009-2013 Department Head (Hadron Multiparticle Processes Department), DLNP

2014 - Deputy Director of DLNP

Other activities:

2009-2014 Leader of the JINR Theme “JINR’s Participation in Experiments at Fermilab (Project CDF)” (02-0-1082-2009/2014)

2015 – Leader of the JINR Theme “Search for New Physics in Experiments with High-Intensity Muon Beams” (02-2-1124-2015/2020)

Since 2013 Member of the DLNP Dissertation Council

One of the main organizers, co-chairperson of the two conferences "New Trends in High-Energy Physics" (2016,2018)

Teaching activities:

Supervisor of three PhD theses and three PhD students

Scientific interests: Detectors, simulation, physics analysis.

Publications: > 500 scientific papers, 3 reviews

JINR prizes for experimental physics research:

Second prize in 2010

SOME PUBLICATIONS BY VLADIMIR V. GLAGOLEV**(2014–2018)**

1. «Participation of JINR in the CDF Experiment», A.Artikov, P.Bartos, Yu.A.Budagov, V.V.Glagolev et al, Phys.Part.Nucl. 49 (2018) no.6, 973-1035,
2. «The Mu2e Calorimeter Final Technical Design Report», N. Atanov, V. Baranov, J. Budagov, S. Ceravolo, F. Cervelli, F. Colao, M. Cordelli, G. Corradi, E. Dane, Y. Davydov et al., FERMILAB-DESIGN-2018-01, FERMILAB-DESIGN-2018-01
3. «Design, status and perspective of the Mu2e crystal calorimeter», G. Pezzullo, N. Atanov, V. Baranov, J. Budagov *et al.*, Springer Proc.Phys. 213 (2018)
4. «Design and Status of the Mu2e Crystal Calorimeter», N. Atanov, V. Baranov, J. Budagov, Yu.I. Davydov, V.Glagolev, V. Tereshchenko, Z. Usubov (Dubna, JINR), F. Cervelli, S. Di Falco, S. Donati *et al.*, IEEE Trans.Nucl.Sci. 65 (2018) no.8, 2073-2080
5. «The Mu2e undoped Csl crystal calorimeter», N. Atanov, V. Baranov, J. Budagov, F. Cervelli, F. *et al.* , JINST 13 (2018) no.02, C02037
6. «Quality Assurance on Undoped Csl Crystals for the Mu2e Experiment», N. Atanov, V. Baranov, J. Budagov, Yu.I. Davydov, V.Glagolev, V. Tereshchenko, Z. Usubov (Dubna, JINR), F. Cervelli, S. Di Falco, S. Donati *et al.*, IEEE Trans.Nucl.Sci. 65 (2017) no.2, 752-757
7. «Photoelectron Yields of Scintillation Counters with Embedded Wavelength-Shifting Fibers Read Out With Silicon Photomultipliers», A.Artikov et al., Nucl.Instrum.Meth. A890 (2018) 84-95
8. «Characterization of a 5 x 5 LYSO Matrix Calorimeter Prototype» N. Atanov, V. Baranov *et al.*, IEEE Trans.Nucl.Sci. 63 (2016) no.2, 596-604
9. «Energy and time resolution of a LYSO matrix prototype for the Mu2e experiment», N. Atanov, V. Baranov, *et al.*, Nucl.Instrum.Meth. A824 (2016) 684-685
10. «Increase in the light collection from a scintillation strip with a hole for the WLS fiber using filling materials of various types», A.M. Artikov, V.Yu. Baranov, J.A. Budagov, V.V. Glagolev, D. Chokheli, Yu.I. Davydov, V.I. Kolomoets, A.V. Simonenko, V.Tereschenko, Yu.N. Kharzheev *et al.* , Phys.Part.Nucl.Lett. 14 (2017) no.1, 139-143

11. «Optimization of light yield by injecting an optical filler into the co-extruded hole of the plastic scintillation bar», A. Artikov, V. Baranov, Ju. Budagov, D. Chokheli, Yu. Davydov, V. Glagolev, Yu. Kharzheev, V. Kolomoetz, A. Shalugin, A. Simonenko *et al.*, JINST 11 (2016) no.05, T05003
12. «The precision laser inclinometer long-term measurement in thermo-stabilized conditions (First Experimental Data)», N. Azaryan, V. Batusov, J. Budagov, V. Glagolev, M. Lyablin, G. Trubnikov, G. Shirkov, J.-Ch. Gayde, B. Di Girolamo, D. Mergelkuhl *et al.*, Phys.Part.Nucl.Lett. 12 (2015) no.4, 532-535
13. «Measurement of the top-quark mass in the $t\bar{t}$ dilepton channel using the full CDF Run II data set» CDF Collaboration (T. Aaltonen *et al.*), Phys.Rev. D92 (2015) no.3, 032003
14. «Response of LYSO:Ce scintillation crystals to low energy gamma-rays», K.G. Afanaciev, A.M. Artikov, V.Yu. Baranov, M.A. Batouritski, J.A. Budagov, Yu.I. Davydov, R.M. Djilkibaev, I.F. Emeliantchik, A.A. Fedorov, V.V. Glagolev *et al.*, Phys.Part.Nucl.Lett. 12 (2015) no.2, 319-324
15. «Mu2e Technical Design Report», Mu2e Collaboration (L. Bartoszek *et al.*)
FERMILAB-TM-2594, FERMILAB-DESIGN-2014-01,
ePrint: <http://arxiv.org/abs/arXiv:1501.05241>
16. «A laser based fiducial line for high precision multipoint alignment system», J. Budagov, V. Glagolev, M. Lyablin, G. Shirkov, H. Mainaud Durand, G. Stern, Phys.Part.Nucl.Lett. 11 (2014) 286-293
17. «The LYSO crystal calorimeter for the Mu2e experiment», G. Pezzullo, J. Budagov *et al.*, JINST 9 (2014) C03018