**C U R R I C U L U M V I T A E of Dmitry I. KAZAKOV**

Date & place of birth: October 6, 1951, Moscow, USSR

Undergraduate Education: Moscow State University, Physics Dep., 1968-1974

Graduate Education: Laboratory of Theoretical Physics, JINR, 1974-1977

Graduate Thesis: Renormalizations in the theories with dynamical symmetry, 1977 Superviser Prof.D.V.Shirkov

Gradual Degree: Candidate of Science in Physics and Mathematics (Ph.D.), Laboratory of Theoretical Physics, JINR, 1977

Habilitation Thesis: Finite supersymmetric models of quantum field theory, 1988

Habilitation Degree: Doctor of Science in Physics and Mathematics, Laboratory of Theoretical Physics, JINR, 1988

Title: Professor of physics (physics of elementary particles), 2005 (MIPT, Moscow),

Corresponding member of Russian Academy of Sciences, 2016

Position:

Laboratory of Theoretical Physics, JINR since 1975

1975-1978 - Junior Research Scientist,

1979-1988 - Senior Research Scientist,

1989-1991 - Leading Research Scientist,

1991-1998 - Quantum Field Theory Group Leader,

1994-1998 - Deputy leader of "Particle and Fields" division of Lab.Theor. Phys.,

1998-2004 - Leader of "Particle and Fields" division of Lab.Theor. Phys.,

1998- 2003 - Deputy Director of Lab.Theor.Phys.

2003- 2016 - Principle Research Scientist at BLTP, JINR,

2004-2016 - Leader of "Particle Physics" division of Lab.Theor. Phys.,

2016- Head of "Theory of Fundamental Interactions" Division of Lab.Theor.Phys.

1999-2014 - Head of Laboratory of fundamental interactions at the Institute

for Theoretical and Experimental Physics, Moscow,

2014-2016 Principle Research Scientist at ITEP, Moscow

2005- 2012 - Professor of Moscow Institute of Physics and Technology,

2012 - Head of Chair of Fundamental and Applied Problems of Microworld of Moscow Institute of Physics and Technology

Teaching : Lectures on Quantum Field Theory and Particle Physics

- Moscow State University 1984-1986, 1997,

- Moscow Institute of Physics and Technology, 1998-2016,

- CERN-JINR (European) Schools of Physics 1981, 1983, 1987, 1989, 1991, 1993,

1994, 1995, 1996, 2000, 2004, 2012,

- JINR Schools of Physics 1988, 1990, 1992, 2003, 2005, 2009, 2012, 2016,

- ITEP Schools of Physics 1984,1996, 1999, 2005, 2006, 2008, 2011, 2012, 2013,2016,

- Karlsruhe University (Germany) 1992, 1994, 1996-1997, 2000, 2009, 2010,

- Lyon University (France) 2003, 2006, 2008,

- Cargese School on Particle Physics and Cosmology, 2003,

- Corfu School of Physics, Greece, 1999, 2014,

- Dynasty Foundation School on Fundamental Interactions, 2006, 2012.

- Superviser of 11 PhD and 15 Undergraduate theses

Other activities:

- Member of the Expert Council for Theoretical Physics of the

Russian Foundation for Basic Research, 1996-1999 ,

- Head of the Expert Council for Theoretical Physics of the

Russian Foundation for Basic Research, 2009- 2013,

- Member of the Organizing Committee of the European Schools for High-Energy

Physics , 1991-1997,

- Member of the Steering Committee of Heisenberg-Landau

Program (JINR-Germany Collaboration), 1994-1998, 2002-2008, 2010-2016

- Member of the Steering Committee of the Blokhintsev-Votruba Program

(JINR-Chekhia Collaboration), 2000-2009, 2011-2016

- Member of editorial board of "Theoretical and Mathematical Physics" 2013-

- Member of editorial board of "Physics-Uspekhi (Advances in Physical Sciences)" 2015-

- Member and/or chairman of the Organizing Committees of several International conferences

Publications: 210 (see the list attached)

Visits: - Short-stay visits from 1 to 2 months to CERN,

Germany, France, Spain, Italy, Finland, USA, UK .

- Senior SERC Fellow (Southampton Univ., UK) in 1991-1992, 1993.

- Guest Professor at Karlsruhe University, Germany, 1996-1997, 2009

- Mercator Professor, University of Karlsruhe, 2010-2012, 2015-2016

- Visiting Professor at KEK, Japan, 2001, 2004, 2009.

Grants:

- International Science Foundation 1993-1994,

- Russian Foundation for Basic Research 1993-1994, 1995-1998, 1999-2002, 2002-2004,

2005-2007, 2008-2010, 2011-2013, 2014-2016,

- RFBR-DFG (Germany) joint grant 1996-1998, 2001-2003,

- DFG (Germany) 2000-2006,

- Russian State Scientific Stipendium 1997-1999, 1999-2002,

- Russian Scientific Fund 2016-2018

Awards:

- JINR Prize for Theoretical Physics: 1980, 2004

Special talks:

- Plenary talk on "Beyond the Standard Model", at XXXIII International Conference

on High Energy Physics (ICHEP'06), Moscow, 2006.

- Invited talk "SUSY today" at Rencontres de Moriond-2013, La Thuile, 2013,

-Invited talk on "Beyond the Standard Model" at 11th ICFA Seminar on Future Perspectives in High Energy Physics, Beijing, 2014,

- Invited concluding talk "Theory Vision" at the Third Annual Conference on Physics at Large Hadron Collider, St. Petersburg, 2015

**Publications by Dmitry I. Kazakov**

**2011-2016**

Papers in Journals

1. On form factors in N=4 SYM, JHEP 1102 (2011) 063 , arXiv:1011.2440 [hep-th]

(with L.V. Bork and G.S. Vartanov)

2. From Amplitudes to Form Factors in N =4 SYM theory, Theor.Math.Phys. 169 (2011) 32, (with L.V. Bork and G.S. Vartanov)

3. SUSY Enhancement of Heavy Higgs Production, Int.J.Mod.Phys. A26 (2011) 4187-4202 , arXiv:1106.4385 [hep-ph], (with A.V. Bednyakov and S.H. Tanyildizi.)

4. On MHV Form Factors in Superspace for N=4 SYM Theory, JHEP 1110 (2011) 133, arXiv:1107.5551 [hep-th], (withL.V. Bork and G.S. Vartanov).

5. Constraints from the decay $B\_{0s}\to\mu^+\mu^-$ and LHC limits on Supersymmetry, Phys.Lett. B705 (2011) 493-497, arXiv:1109.6775 [hep-ex], (with

C. Beskidt, W. de Boer, F. Ratnikov, E. Ziebarth, and V. Zhukov.)

6. $\mu \to e\gamma$ Decay Rate in the MSSM with Minimal Flavour Violation,

Bulgarian Journal of Physics, 10 (2012) 123, arXiv:1102.1582 [hep-ph] (with M. Davidkov)

7. Where is SUSY?, JHEP 1205 (2012) 094, arXiv:1202.3366 [hep-ph], (with C. Beskidt, W. de Boer, and F. Ratnikov)

8. Constraints on Supersymmetry from LHC data on SUSY searches and Higgs bosons combined with cosmology and direct dark matter searches, Eur.Phys.J. C72 (2012) 2166 , arXiv:1207.3185 [hep-ph] (with C. Beskidt, W. de Boer, and F. Ratnikov)

9. On the amplitudes in N=(1,1) D=6 SYM, JHEP 1311 (2013) 065, arXiv:1308.0117 [hep-th] (with L.V. Bork and D.E. Vlasenko)

10. A comparison of the Higgs sectors of the MSSM and NMSSM for a 126 GeV Higgs boson, Phys.Lett. B726 (2013) 758-766, arXiv:1308.1333 [hep-ph] (with C. Beskidt and W. de Boer)

11. The first lessons of LHC: the Higgs boson and Supersymmetry, Sov.Nucl.Phys. 76 (2013) 15}, Preprint JINR Р2-2013-11

12. Evaluation of Multi-Box Diagrams in Six Dimensions, JHEP 1404 (2014) 121, arXiv: 1402.1024 (hep-th).

13. The impact of a 126 GeV Higgs on the neutralino mass, Phys.Lett. B738 (2014) 505-511, arXiv: 1402.4650 (hep-ph), (with C.Beskidt and W. de Boer).

14. Challenges of D=6 N=(1,1) SYM theory, Phys.Lett. B734 (2014) 111-115, arXiv:1404.6998 [hep-th], (with L.V.Bork and D.E.Vlasenko)

15. The Higgs Boson is found: what is next?, Usp.Fiz.Nauk 184 (2014) 9, 1004-101, Phys.Usp. 57 (2014) 9, 930-942, arXiv:1405.5495 [hep-ph]

16. Divergences in maximal supersymmetric Yang-Mills theories in diverse dimensions, JHEP 1511 (2015) 059, arXiv:1508.05570 [hep-th], (with L.V.Bork, M.V.Kompaniets, D.M.Tolkachev and D.E.Vlasenko)

17. Higgs branching ratios in constrained minimal and next-to-minimal supersymmetry scenarios surveyed, Phys.Lett. B759 (2016) 141-148, arXiv:1602.08707 [hep-ph] (with C. Beskidt, W. de Boer and S. Wayand)

Proceedings

1. Constraints on Supersymmetry using 5/fb LHC data, Published in PoS(ICHEP2012)111, Proceedings of ICHEP 2012, (with C. Beskidt, W. de Boer and F. Ratnikov)

2. SUSY Enhancement of Heavy Higgs Production, Published in PoS QFTHEP2011 (2013) 066 Conference: C11-09-24 Proceedings (with S. H. Tanyldyz and A.V. Bednyakov)

3.SUSY Phenomenology today, Proceedings of the EW Moriond Conference, p.66 (2013), arXiv:1306.6420 [hep-ph]

Lectures

1. Is (low energy) SYSY still alive? Lectures at ESHEP-2012, CERN-2014-008.107, arXiv: 1212.2548 [hep-ph]\ (with A.V.Gladyshev)

2. Introduction to Supersymmetry, Proceedings of the Corfu Summer Institute 2014 "School and Workshops on Elementary Particle Physics and Gravity", 3-21 September 2014, Corfu, Greece, PoS CORFU2014 (2015) 024

E-prints

1. SUSY at the LHC without Missing $P\_T$, arXiv:1603.09366 [hep-ph], (with A.Belyaev and A.Sperling)

2. Landscape View at the Edge of a Mystery, arXiv: 1511.09283 [hep-ph]

3. Leading and Subleading UV Divergences in Scattering Amplitudes for D=8 N=1 SYM Theory in All Loops, arXiv:1603.05501 [hep-th] (with D.E.Vlasenko)

4. All-loop Analysis of UV Divergences in Maximally Supersymmetric Gauge Theories, arXiv:1610.05549 [hep-th] (with A.T.Borlakov, D.M.Tolkachev and D.E.Vlasenko)

Popular papers

1. LHC: Results, prospects, thoughts, gazeta Dubna, May 20, 2011

2. In the basis Nature there is a simple scheme, Novaya gazeta, PostNauka vol.5, 26.10.2012

3. Quantum field theory, Quantum gravity, Dark matter, The problem of Higgs boson search, Discovery of the Higgs boson, Supersymmetry, Does SUSY exists in particle physics world?, The Higgs boson, Neutrino, Quark-lepton Symmetry

http://postnauka.ru/author/kazakov

4. LHC: the first results and worrying expectations (2011, April),

5. The secrets were only in details (2012, June)., Znanie-Sila, 12/2012

6. Antipods, or Physics upside-down, gazeta Dubna, July 27, 2012

7. In search of supersymmetry, ANI FIAN-Inform, 29.11.2012, www.fian-inform.ru;

gazeta Dubna, December 7, 2012