SERGEI SHARAPOV: LIST OF PUBLICATIONS

See almost complete list in
http://www.researcherid.com/rid/A-3526-2008 by ResearcherID of ISI Thomson.

Reviews:[1]

1. V.M. Loktev, S.G. Sharapov,
"Superconducting condensate formation in metalic systems with arbitrary carrier density"
Condensed Matter Physics (Lviv) No.11 (1997) 131-177; Preprint cond-mat/9706285.

2. (***) V.M. Loktev, R.M. Quick, S.G. Sharapov,
"Phase Fluctuations and Pseudogap Phenomena"
Physics Reports **349** (2001) 1-123; Preprint cond-mat/0012082.

   (Citation warning. As I believe this review was already cited more than 100 times, but since its starting page in ISI database is 2 and not 1, to see the correct amount of citations one should make a "cited reference search" for LOKTEV VM and see the reference with the first page 1. One can also see this from Scorpus data http://dx.doi.org/10.1016/S0370-1573(00)00114-9.)

3. L. Benfatto, S.G. Sharapov "Optical-conductivity sum rule in cuprates and unconventional charge density waves: a short review", Invited paper for a special issue of Low Temperature Physics dedicated to the 20th anniversary of HTSC.
Fiz. Nizk. Temp. **32** (2006) 700-715.
[Engl. trans.: Low Temp. Phys. **32** (2006) 533-545.];
Preprint cond-mat/0508695.
This article has been selected for the July 1, 2006 Volume 11, Issue 1 of Virtual Journal of Applications of Superconductivity[2].

4. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"AC conductivity of graphene: from tight-binding model to $2+1$-dimensional quantum electrodynamics",
Invited review paper in International Journal of Modern Physics B Vol. 21, No. 27 (2007) 4611 - 4658;
Preprint arXiv:0706.3016

Publications in Refereed Journals:

1. E.V. Gorbar, V.M. Loktev, S.G. Sharapov,
"On concentration behaviour of superconducting phase of bilayered cuprates"
Superconductivity: physics, chemistry, technics **8-9** (1994) 1352-1358.
[in Russian, translated in English]

2. E.V. Gorbar, V.M. Loktev, S.G. Sharapov,
"Electron spectrum and critical temperature of HTS materials with several cuprate layers in a cell"
Fiz. Nizk. Temp. **21** (1995) 329-336.
[Engl. trans.: Soviet J. Low Temp. Phys. **21** (1995) 421-430.]

3. E. Gorbar, S. Mashkevich, S. Sharapov,
"Anyonlike bevavior in three dimensions"
Phys. Rev. **B52** (1995) 16096-16100; "Anyons beyond the plane"
Preprint IPNO/TH 95-20; cond-mat/9503160.

4. E.V. Gorbar, V.M. Loktev, S.G. Sharapov,
"Crossover from BCS to Composite Boson (Local Pair) Superconductivity in Quasi-2D systems"
Physica C **257** (1996) 355-359; Preprint cond-mat/9503004.

5. S.G. Sharapov,
"On theory of superconductivity of quasi-2D fermi-systems"
Ukrainian Journ. Phys. **41** (1996) 212-218. [in Ukrainian]

6. V.M. Loktev, S.G. Sharapov,
"On theory of 2D superconductivity at arbitrary density of fermions and indirect interaction between them"

[1] The most important papers are marked by (***).

[2] The Virtual Journal http://www.vjsuper.org/, which is published by the American Institute of Physics and the American Physical Society in cooperation with numerous other societies and publishers, is an edited compilation of links to articles from participating publishers, covering a focused area of frontier research.

Fiz. Nizk. Temp. **22** (1996) 271-276.
[Engl. trans.: Low Temp. Phys. **22** (1996) 211-215.]

7. (***) V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"Phase diagram of 2D metal system with arbitrary carrier density"
Pis'ma ZhETF **65** (1997) 170-175.
[Engl. trans.: JETP Letters **65** (1997) 182-188.]

8. V.M. Loktev, S.G. Sharapov,
"Bose-fluctuations and paramagnetic susceptibility of 2D metal with attraction between carriers: spin gap?"
Fiz. Nizk. Temp. **23** (1997) 180-189.
[Engl. trans.: Low Temp. Phys. **23** (1997) 132-139.]

9. V.M. Loktev, V.M. Turkowski, S.G. Sharapov,
"Crossover from superfluidity to superconductivity in 2D systems at indirect interaction between carriers"
Journal of Physical Studies (Ukraine) **1** (1997) 431-440. [in Ukrainian]

10. V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"On peculiarities of superconducting state formation in 2D metallic systems"
Fiz. Nizk. Temp. **23** (1997) 816-823.
[Engl. trans.: Low Temp. Phys. **23** (1997) 612-617.]

11. V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"The behavior of the paramagnetic susceptibility of a 2D metal during transitions between normal, pseudogap, and superconducting phases"
Fiz. Nizk. Temp. **23** (1997) 1247-1249.
[Engl. trans.: Low Temp. Phys. **23** (1997) 936-937.]

12. V.M. Loktev, S.G. Sharapov, V.M. Turkowski,
"Phase diagram in 2D Fröhlich model of metal at arbitrary carriers density: pseudogap versus doping"
Physica C **296** (1998) 84-90; Preprint cond-mat/9703070.

13. R.M. Quick, S.G. Sharapov
"Persistence of pseudogap formation in quasi-2D systems with arbitrary carrier density"
Physica C **301** (1998) 262-271; Preprint cond-mat/9708151.

14. V.M. Loktev, V.M. Turkowski, S.G. Sharapov,
"Superconductivity in the Fröhlich two-dimensional model with an arbitrary carrier concentration"
Teor. Matem. Fiz. **115** (1998) 419-436.
[Engl. trans.: Theor. Math. Phys. **115** (1998) 694-705.]

15. V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"Pseudogap phase formation in the crossover from Bose-Einstein condensation to BCS superconductivity"
ZhETF **115** (1999) 1243-1262.
[Engl. trans.: JETP **88** (1999) 685–695.]; Preprint cond-mat/9709034.

16. V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"Green's function of a 2D Fermi-system undergoing a topological phase transition"
Pis'ma ZhETF **69** (1999) 126-131.
[Engl. trans.: JETP Letters **69** (1999) 141-147.]

17. V.M. Loktev, R.M. Quick, S.G. Sharapov,
"On a possible reason behind the anisotropy observed in the superconducting properties of underdoped cuprates" (*Letter to the Editor*)
Fiz. Nizk. Temp. **25** (1999) 381-383.
[Engl. trans.: Low Temp. Phys. **25** (1999) 515-518.]

18. V.M. Loktev, R.M. Quick, S.G. Sharapov,
"Superconducting Condensate Formation in Quasi-2D Systems with Arbitrary Carrier Density"
Physica C **314** (1999) 233-246; Preprint cond-mat/9804026.

19. R.M. Quick, S.G. Sharapov,
"The Coleman-Weinberg effective potential in the theory of superconductivity"
Teor. Matem. Fiz. **122** (2000) 468-481.
[Engl. trans.: Theor. Math. Phys. **122** (2000) 390-401.]; Preprint cond-mat/9804310.

20. V.M. Loktev, R.M. Quick, S.G. Sharapov,
"Phase Fluctuations and Pseudogap Properties: Influence of Nonmagemetic Impurities"
Fiz. Nizk. Temp. **26** (2000) 567-573.
[Engl. trans.: Low Temp. Phys. **26** (2000) 414-418.]; Preprint cond-mat/9904126.

21. V.P. Gusynin, V.M. Loktev, S.G. Sharapov,
"Phase Fluctuations and Single Fermion Spectral Density in 2D Systems with Attraction"
ZhETF **117** (2000) 1143-1160.
[Engl. trans.: JETP **90** (2000) 993-1009.]; Preprint cond-mat/9811207.

22. V.M. Loktev, S.G. Sharapov,
"On the structureless shape of the optical absorption band in β-oxygen cryocrystal"
Fiz. Nizk. Temp. **26** (2000) 1214-1225.
[Engl. trans.: Low Temp. Phys. **26** (2000) 899-907.];

23. S.G. Sharapov, H. Beck, V.M. Loktev,
"Finite Temperature Time-Dependent Effective Theory for the Phase Field in a two-dimensional d-wave Neutral Superconductor"
Phys. Rev. **B 64** (2001) 134519; Preprint cond-mat/0012511.

24. V.P. Gusynin, V.M. Loktev, R.M. Quick, S.G. Sharapov,
"Quantum Phase Fluctuations Responsible for Pseudogap"
Physica C **370** (2002) 239-245; Preprint cond-mat/0007271.

25. V.M. Loktev, S.G. Sharapov, H. Beck,
"Spectral function and nature of motion of conducting electron in orientationally disordered molecular cryocrystal"
Fiz. Nizk. Temp. **28** (2002) 311-320.
[Engl. trans.: Low Temp. Phys. **28** (2002) 220-226.];

26. S.G. Sharapov, H. Beck
"Effective action approach and Carlson-Goldman mode in d-wave superconductors"
Phys. Rev. **B 65** (2002) 134516; Preprint cond-mat/0109004.

27. S.G. Sharapov, V.P. Gusynin, H. Beck
"Low temperature superfluid stiffness of d-wave superconductor in a magnetic field"
Phys. Rev. **B 66** (2002) 012515; Preprint cond-mat/0203100.

28. S.G. Sharapov, V.P. Gusynin, H. Beck
"Effective action approach to the Leggett's mode in two-band superconductors"
Eur. Phys. J. **B 30** (2002) 45-51; Preprint cond-mat/0205131.

29. S.G. Sharapov, V.P. Gusynin, H. Beck
"Transport properties in d-density wave state in external magnetic field: Wiedemann-Franz law"
Phys. Rev. **B 67** (2003) 144509; Preprint cond-mat/0211366.
This article has been selected for the May 1, 2003 Volume 4, Issue 9 of Virtual Journal of Applications of Superconductivity.

30.(***) S.G. Sharapov, V.P. Gusynin, H. Beck
"Magnetic oscillations in planar systems with the Dirac-like spectrum of quasiparticle excitations"
Phys. Rev. **B 69** (2004) 075104; Preprint cond-mat/0308216.

31. L. Benfatto, S.G. Sharapov, H. Beck
"Effect of orbital currents on the restricted optical sum rule"
Eur. Phys. J. **B 39** (2004) 469-473; Preprint cond-mat/0305276.

32. L. Benfatto, S.G. Sharapov, N. Andrenacci, H. Beck,
"Ward identity and optical-conductivity sum rule in the d-density wave state"
Phys. Rev. **B 71** (2005) 104511; Preprint cond-mat/0407443.

33. V.P. Gusynin, S.G. Sharapov,
"Magnetic oscillations in planar systems with the Dirac-like spectrum of quasiparticle excitations II: transport properties"
Phys. Rev. **B 71** (2005) 125124; Preprint cond-mat/0411381.

34.(***) V.P. Gusynin, S.G. Sharapov,
"Unconventional Integer Quantum Hall effect in graphene"
Phys. Rev. Lett. **95** (2005) 146801; Preprint cond-mat/0506575.

35. S.G. Sharapov, J.P. Carbotte, "Effects of energy dependence in the quasiparticle density of states on far-infrared absorption in the pseudogap state"
Phys. Rev. **B 72** (2005) 134506; Preprint cond-mat/0505304.

36.(***) J. Hwang, J. Yang, T. Timusk, S.G. Sharapov, J.P. Carbotte, D.A. Bonn, Ruixing Liang, and W.N. Hardy, "The a-axis optical conductivity of detwinned ortho-II $YBa_2Cu_3O_{6.50}$",
Phys. Rev. **B 73**, 014508 (2006); Preprint cond-mat/0505302.
This article has been selected for the January 15, 2006 Volume 10, Issue 2 of Virtual Journal of Applications of Superconductivity.

37. S.G. Sharapov, J.P. Carbotte, "Superfluid density and competing orders in d-wave superconductors", Phys. Rev. **B 73**, 094519 (2006); Preprint cond-mat/0511349.

38. V.P. Gusynin, S.G. Sharapov,
"Transport of Dirac quasiparticles in graphene: Hall and optical conductivities", Phys. Rev. **B 73**, 245411 (2006); Preprint cond-mat/0512157.
This article has been selected for the June 26, 2006 Volume 13, Issue 25 of Virtual Journal of Nanoscale Science & Technology[3].

39. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"Unusual Microwave Response of Dirac Quasiparticles in Graphene",
Phys. Rev. Lett. **96**, 256802 (2006); Preprint cond-mat/0603267.

40. V.P. Gusynin, V.A. Miransky, S.G. Sharapov, I.A. Shovkovy,
"Excitonic gap, phase transition, and quantum Hall effect in graphene", Phys. Rev. **B 74**, 195429 (2006); Preprint cond-mat/0605348.

41. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"Anomalous Absorption Line in the Magneto-Optical Response of Graphene",
Phys. Rev. Lett. **98**, 157402 (2007); Preprint cond-mat/0607727.

42. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"Sum Rules for the Optical and Hall Conductivity in Graphene",
Phys. Rev. **B 75**, 165407 (2007); Preprint cond-mat/0701053.
This article has been selected for the April 23, 2007 Volume 15, Issue 16 of Virtual Journal of Nanoscale Science & Technology.

43. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"Magneto-optical conductivity in Graphene",
J. Phys.: Condens. Matter **19**, 026222 (2007); Preprint arXiv:0705.3783.

44. L. Benfatto, S.G. Sharapov, J.P.Carbotte, "Robustness of the optical-conductivity sum rule in Bilayer Graphene", Phys. Rev. **B 77**, 125422 (2008); Preprint arXiv:0712.1885.

45. V.P. Gusynin, V.A. Miransky, S.G. Sharapov, I.A. Shovkovy,
"Edge states, mass and spin gaps, and quantum Hall effect in graphene", Phys. Rev. **B 77**, 205409 (2008); Preprint arXiv:0806.2136.

46. V.P. Gusynin, V.A. Miransky, S.G. Sharapov, I.A. Shovkovy, "Edge states in quantum Hall effect in graphene",
Fiz. Nizk. Temp. **34** (2008) 993-1006.
[Engl. trans.: Low Temp. Phys. **34** (2008) 778-789.]

47. E.F. Suprunenko, E.V. Gorbar, S.G. Sharapov, V.M. Loktev, "Effect of next-to-nearest neighbor hopping on electronic properties of graphene",
Fiz. Nizk. Temp. **34** (2008) 10331039.
[Engl. trans.: Low Temp. Phys. **34** (2008) 812-817.]

[3]The Virtual Journal `http://www.vjnano.org`, which is published by the American Institute of Physics and the American Physical Society in cooperation with numerous other societies and publishers, is an edited compilation of links to articles from participating publishers, covering a focused area of frontier research.

48. V.P. Gusynin, V.A. Miransky, S.G. Sharapov, I.A. Shovkovy, C.M. Wyenberg,
"Edge states on graphene ribbon in magnetic field: interplay between Dirac and ferromagnetic-like gaps", Phys. Rev. **B 79**, 115431 (2009); Preprint arXiv:0801.0708

49. V.P. Gusynin, S.G. Sharapov, J.P. Carbotte,
"On the universal AC optical background in graphene", New J. Phys. (2009) (Focus on Graphene issue); Preprint arXiv:0908.2803.

Preprints and papers submitted for Publication in Refereed Journals:

1. P.I. Fomin, S.G. Sharapov,
"Bose-condensation in limited quasi-two-dimensional systems and critical temperatures of HTSC ceramics"
Preprint ITP-94-11R (in Russian)

2. Irene D'Amico, S.G. Sharapov, "Universal scaling of Coulomb drag in graphene layers"
Preprint cond-mat/0410769.

3. V.P. Gusynin, V.A. Miransky, S.G. Sharapov, I.A. Shovkovy,
"Excitonic gap, phase transition, and quantum Hall effect in graphene: strong-coupling regime", Preprint cond-mat/0612488.

4. J.P. Carbotte, E.J. Nicol, S.G. Sharapov,
"Effect of electron-phonon interaction on spectroscopies in graphene ", Preprint arXiv:0908.2608

Invited talks.

1. S.G. Sharapov,
"Dirac fermions as a cause of unusual Quantum Hall Effect in Graphene",
March 2006 Meeting of the American Physical Society. Baltimore, Maryland, March 13-17, 2006.
`http://meetings.aps.org/link/BAPS.2006.MAR.D2.3`

2. S.G. Sharapov,
"Dirac-like quasiparticles in Graphene",
Congress of the Canadian Association of Physicists. University of Saskatchewan, Saskatoon, Saskatchewan June 17-20, 2007.

3. S.G. Sharapov,
"Effect of the electron-phonon interaction on spectroscopies of graphene",
Workshop on Graphene: Fundamentals and Perspectives. Benasque, Spain, July 26 - Aug 08, 2009.
`http://benasque.org/2009graphene/talks_contr/303Sharapov-talk.pdf`

Proceedings & Abstracts:

1. S.G. Sharapov,
"Bose-condensation in limited quasi-two-dimensional systems and critical temperatures of HTSC ceramics", Proceedings of the First Ukrainian Conference of Young Scientists. (Kiev, Ukraine; May, 1994) pp.25–32.

2. E.V. Gorbar, V.M. Loktev, S.G. Sharapov*,
"Electronic spectrum of the layered cuprates", Scientific Session of Bogolyubov Institute for Theoretical Physics. Kiev, Ukraine, February 22-23, 1995.

3. S.G. Sharapov,
"Crossover from BCS to Bose Superconductivity in Quasi-2D systems"
Proceedings of the Second Ukrainian Conference of Young Scientists. (Kiev, Ukraine; May 16-18, 1995) pp.33–40.

4. E.V. Gorbar, V.M. Loktev, S.G. Sharapov*,
"Crossover from BCS to Local Pair Superconductivity in Quasi-2D systems",
International workshop on statistical physics and condensed matter theory, Lviv, Ukraine, September 11-14, 1995.
The text of the contribution was published in Condensed Matter Physics (Lviv) No.7 (1996) pp.53-62.

5. V.P. Gusynin, V.M. Loktev, R.M. Quick and S.G. Sharapov*,
"Pseudogap phase formation in the crossover from Bose-Einstein condensation to BCS superconductivity in low dimensional systems", *Invited talk at* the First International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials. Baton-Rouge, Louisiana, USA, February 19-24, 1998.
Int. J. of Mod. Phys. B **12** (1998) pp.3035-3038;
Preprint cond-mat/9803142.

6. R.M. Quick*, S.G. Sharapov, V.P. Gusynin and V.M. Loktev,
"Pseudogap phase formation in the crossover from Bose-Einstein condensation to BCS superconductivity in low dimensional systems", Proceedings of XVI International Workshop on Condensed Matter Theories, Nashville, Tennessee, June 5-10, 1998.
Condensed Matter Theories Vol. 14., pp.151-163, Ed. D.J. Ernst, et. al. (Plenum 2000).

7. V.P. Gusynin, V.M. Loktev, R.M. Quick and S.G. Sharapov*,
"Phase fluctuations and non-Fermi liquid properties of 2D Fermi-system with attraction ",
Invited talk at the Second International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials. Las Vegas, Nevada, USA, May 31- June 4, 1999.
Int. J. of Mod. Phys. B **13** (1999) pp.3510-3512;
Preprint cond-mat/9906407.

8. V.M. Loktev*, R.M. Quick and S.G. Sharapov,
"Effect of Nonmagnetic Impurities on Pseudogap Properties of a 2D Metallic System",
Proceedings of the Bogolyubov Conference on Problems of Theoretical and Mathematical Physics, Kyiv, October 4–6, 1999. Edited by A.G. Sitenko.
Ukrainian J. Phys. **45** (2000) pp.535–540. [in English]

9. S.G. Sharapov*, H. Beck, V.M. Loktev
"Ginzburg-Landau theory for the time-dependent phase field in a two-dimensional d-wave superconductor", *Invited talk at* the Third International Conference on New Theories, Discoveries, and Applications of Superconductors and Related Materials. Honolulu, Hawaii, USA, January 15 - 19, 2001.
Physica C **364-365** (2001) pp.437-440;
Preprint cond-mat/0101353.

10. S.G. Sharapov*, H. Beck, V.M. Loktev
"Ginzburg-Landau theory for the time-dependent phase field in a 2D d-wave superconductor", Meeting of the Swiss Physical Society, Dübendorf, 2 May, 2001.

11. S.G. Sharapov*, H. Beck,
"Carlson-Goldman mode in d-wave superconductors",
Poster presentation at the Swiss Workshop on Materials with Novel Electronic Properties (MaNEP). Les Diablerets, Switzerland, October 1 - 3, 2001.

12. S.G. Sharapov*, H. Beck,
"Carlson-Goldman mode in d-wave superconductors", Meeting of the Swiss Physical Society, Lausanne, 1 March, 2002.

13. S.G. Sharapov*, H. Beck,
"Carlson-Goldman mode in d-wave superconductors: Effective Action Approach",
Poster presentation at the 19-th General Conference of the EPS Condensed Matter Division. Brighton, England, April 7 - 11, 2002.

14. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"Low Temperature Superfluid Stiffness of d-wave Superconductor in an Applied Magnetic Field"
Poster presentation at the International Workshop "Non-Fermi-Liquid Physics in Transition Metal and Rare Earth Compounds". Bled, Slovenia, May 23 - 26, 2002.

15. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"Low Temperature Superfluid Density of d-wave Superconductor in an Applied Magnetic Field",
International Conference "Modern problems of theoretical physics (MPTP-2002)" Dedicated to the 90th anniversary of A.S.Davydov. Kyiv, Ukraine, December 9-15, 2002.
Ukrainian J. Phys. **48** (2003) pp.863–868. [in English]

16. H. Beck* Ph. Curty, A. Sewer, N. Andrenacci, S. Sharapov,
"Pairing fluctuations in high temperature superconductors", International Conference "Modern problems of theoretical physics (MPTP-2002)" Dedicated to the 90th anniversary of A.S.Davydov. Kyiv, Ukraine, December 9-15, 2002.
Ukrainian J. Phys. **48** (2003) pp.829–836. [in English]

17. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"Transport properties in d-density wave state in an external magnetic field: Wiedemann-Franz law", *Materials with Novel Electronic Properties (MaNEP) Topical Meeting "Non-Fermi Liquids and Low Dimensional Systems",* Neuchâtel, February 10, 2003.

18. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"d-density wave state in an external magnetic field", Meeting of the Swiss Physical Society, Basel, 20 March, 2003.

19. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"d-density wave state in an external magnetic field", *Poster presentation at* 7-th International Conference on "Materials and Mechanisms of Superconductivity and High Temperature Superconductors". Rio de Janeiro, Brasil, May 25-30, 2003.
Physica C **408-410** (2004) pp.420-421;
Preprint cond-mat/0304574.

20. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"Magnetic oscillations in planar systems with the Dirac-like spectrum of quasiparticle excitations", *Poster presentation at* the Swiss Workshop on Materials with Novel Electronic Properties (MaNEP). Les Diablerets, Switzerland, September 29 – October 1, 2003.

21. L. Benfatto*, S.G. Sharapov, H. Beck
"Effect of orbital currents on the restricted optical sum rule",
Poster presentation at the Swiss Workshop on Materials with Novel Electronic Properties (MaNEP). Les Diablerets, Switzerland, September 29 – October 1, 2003.

22. S.G. Sharapov*, V.P. Gusynin, H. Beck,
"Magnetic oscillations in planar systems with the Dirac-like spectrum of quasiparticle excitations", *Oral presentation at* BOGOLYUBOV KYIV CONFERENCE: Modern Problems of Mathematics and Theoretical Physics. Kyiv, Ukraine, 13-16 September, 2004.

23. S.G. Sharapov,
"Quantum magnetic oscillations in graphene",
Scientific Session of Bogolyubov Institute for Theoretical Physics. Kiev, Ukraine, January 28-29, 2004. (**2-nd Award for the presentation**)

24. S.G. Sharapov,
"Planar systems with the Dirac-like spectrum of quasiparticle excitations in a quantizing magnetic field",
Oral and poster presentation at "Quantum Materials Summer School" of the Canadian Institute for Advanced Research. Vancouver, May 15-18, 2005.

25. S.G. Sharapov*, J.P. Carbotte,
"Superfluid density and competing orders in d-wave superconductors",
Contributed talk at the March 2006 Meeting of the American Physical Society. Baltimore, Maryland, March 13-17, 2006. `http://meetings.aps.org/link/BAPS.2006.MAR.V39.7`

26. T. Timusk*, J.-S. Hwang, J. Yang, S. Sharapov, J. Carbotte, D. Bonn, R. Liang, W. Hardy,
"The optical conductivity of Ortho II $YBa_2Cu_3O_{6.5}$",
Contributed talk at the March 2006 Meeting of the American Physical Society. Baltimore, Maryland, March 13-17, 2006. `http://meetings.aps.org/link/BAPS.2006.MAR.P38.2`

27. S.G. Sharapov,
"The AC Conductivity of Monolayer Graphene", workshop "Electronic Properties of Graphene". Kavli Institute for Theoretical Physics, Santa Barbara, California, January 8-19, 2007. (The presentation is here `http://online.itp.ucsb.edu/online/graphene_m07/sharapov/`.)

28. S.G. Sharapov*, V.P. Gusynin, J.P. Carbotte,
"Magneto-optical conductivity in Graphene: signatures of the Dirac quasiparticles",
Contributed talk at the March 2007 Meeting of the American Physical Society. Denver, Colorado, March 5-9, 2007. `http://meetings.aps.org/link/BAPS.2007.MAR.A28.10`

29. S.G. Sharapov,
"The Magneto-Optical Response of the Dirac Quasiparticles in Graphene", workshop on "Relativistic dynamics of graphene". Institute for Nuclear Theory, University of Washington, Seattle, January 8 - 11, 2008. (The presentation is here `http://www.int.washington.edu/talks/WorkShops/int_08_37W/People/Sharapov_S/Sharapov.pdf`.)

30. S.G. Sharapov,
"Optical conductivity of graphene",
Scientific Session of Bogolyubov Institute for Theoretical Physics. Kiev, Ukraine, November 24-25, 2008. (**1-st Award for the presentation**)

INVITED SEMINARS and COLLOQUIA

I did not keep a track of precise titles and dates of my seminars prior to coming to the University of Neuchâtel in 2000. Thus only years and places are indicated for the period 1994-2006.

1. Numerous seminars (practically on each published paper) at the NPCM and AEP divisions of the Bogolyubov Institute for Theoretical Physics, Kiev.

2. Institute for Condensed Matter Physics of the National Academy of Science of Ukraine, Lviv, 1995 (PhD thesis presentation).

3. Institute of Mathematics of the National Academy of Science of Ukraine, Kiev, 1996 (PhD thesis presentation).

4. Department of Physics, University of Pretoria, South Africa, 1997.

5. Department of Physics, University of the Witwatersrand, Johannesburg, South Africa, 1997, 1998.

6. Institut de Physique, Université de Neuchâtel, Switzerland (formal and numerous informal presentation at "Supra" (Superconductivity) Club).

7. "Phase fluctuations and non-Fermi liquid properties of 2D Fermi systems with attraction", Meeting *Systemes Electroniques Fortement Correles*, Université de Fribourg, Switzerland, 10 November, 2000.

8. "Phase fluctuations and Pseudogap Properties", seminar at the Institute for Theoretical Physics, ETH, Zürich, 7 March, 2001.

9. "Carlson-Goldman mode in d-wave superconductors", Meeting *Systemes Electroniques Fortement Correles*, Université de Fribourg, Switzerland, 26 October, 2001.

10. "Low temperature superfluid stiffness of d-wave superconductor in an applied magnetic field", Département de Physique de la Matiére Condensée, Université de Genéve, Switzerland, 13 March, 2002.

11. "Low temperature superfluid stiffness of d-wave superconductor in an applied magnetic field", Institute of Theoretical Physics, University of Leipzig, Germany, 30 April, 2002.

12. "Carlson-Goldman mode in d-wave superconductors: "violation" of the Higgs mechanism ", Institute of Theoretical Physics, University of Leipzig, Germany, 2 May, 2002.

13. "Low temperature superfluid stiffness of d-wave superconductor in an applied magnetic field", Meeting *Systemes Electroniques Fortement Correles*, Université de Lausanne, Switzerland, 15 November, 2002.

14. "Low temperature superfluid stiffness of d-wave superconductor in an applied magnetic field", Physics Department, University of Camerino, Italy, 5 March, 2003.

15. "d-density wave state in an external magnetic field", Institute for Scientific Interchange, Torino, Italy 7 March, 2003.

16. "Magnetic oscillations in planar systems with the Dirac-like spectrum of quasiparticle excitations", Torino Politecnico, Italy 4 November, 2003.

17. "Phase fluctuations and pseudogap properties: BCS-Bose crossover in 2D systems", Institute of Mathematics of the National Academy of Science of Ukraine, Kiev, 23 September, 2004.

18. "de Haas - van Alphen effect in graphene", Institute of Magnetism of the National Academy of Science of Ukraine, Kiev, 30 September, 2004.

19. "Phase fluctuations and pseudogap properties: BCS-Bose crossover in 2D systems", Institute of Magnetism of the National Academy of Science of Ukraine, Kiev, 7 October, 2004.

20. "Condensed matter systems with a linear dispersion of quasiparticle excitations in an external magnetic field", The University of Western Ontario, London, Canada, 6 May, 2005.

21. "Dirac-like quasiparticles in an external magnetic field: graphene and d-density waves", Brock University, St. Catharines, Canada, 20 September, 2005.

22. "Dirac-like quasiparticles in Graphene", Bogolyubov Institute for Theoretical Physics of the National Academy of Science of Ukraine, Kiev, 16 July, 2007.

23. "Dirac-like quasiparticles in Graphene", Department of Physics, Western Illinois University, Macomb, 28 September, 2007.