Phan Thành Nam's CV (May 2026)

Personal Information

Born:	July 3, 1985 in Tuy Hòa, Vietnam
Workplace:	Department of Mathematics, LMU Munich
Address:	Theresienstrasse 39, 80333 Munich, Germany
Email:	nam@math.lmu.de
Website:	`http://www.math.lmu.de/~nam`

Research Interests

Analysis and Mathematical Physics: Many-body quantum mechanics, Functional analysis, Spectral theory, Calculus of variations and Partial differential equations

Positions

Since 2017	Professor, Department of Mathematics, LMU Munich
2016–2017	Assistant Professor, Department of Mathematics, Masaryk University
2013–2016	IST Fellow with Robert Seiringer, IST Austria
2011–2013	Postdoc with Mathieu Lewin, CNRS & University of Cergy-Pontoise

Education

2011	Ph.D. in Mathematics, University of Copenhagen. Advisor: Jan Philip Solovej
2008	Master in Mathematics, University of Orléans. Advisor: Alain Pham Ngoc Dinh
2007	Bachelor in Mathematics & Computer Science, Vietnam National University at Ho Chi Minh City. Advisor: Dang Duc Trong

Awards

2022	Consolidator Grant of the European Research Council (5 years)
2020	Prize of the European Mathematical Society
2018	Young Scientist Prize of the International Union of Pure and Applied Physics

Selected Invited Talks

2024	International Congress on Mathematical Physics, Strasbourg (Plenary speaker)
2021	International Congress on Mathematical Physics, Geneva (Invited speaker)
2021	European Congress of Mathematics, Portorož, Slovenia (EMS Prize Lecture)
2018	International Congress on Mathematical Physics, Montréal (IUPAP Prize Lecture)
2012	International Congress on Mathematical Physics, Aalborg (Invited speaker)

Selected Scientific Services

2022–	Member of the Scientific Council, Vietnam Institute for Advanced Study in Mathematics (VIASM). Distinguished Associate Member of VIASM since 2020
2025–	Editor for Calculus of Variations and Partial Differential Equations
2024–	Editor for Mathematische Zeitschrift
2020–	Editor for Mathematical Physics, Analysis and Geometry

Supervision

PhD students: François Visconti (2023–present, co-supervision with Arnaud Triay), Charlotte Dietze (graduated 2025, currently CNRS Chargé de Recherche at Sorbonne Université), Martin Ravn Christiansen (graduated 2023, co-supervision with Christian Hainzl, currently Postdoc at IST Austria), Dinh-Thi Nguyen (graduated 2020, currently Lecturer at Vietnam National University at Ho Chi Minh City)

Postdocs: Cornelia Vogel (2025–present), Alan Ramer dos Santos (2025–present), Dong Hao Ou Yang (2024–present), Peter Madsen (2023–present), Long Meng (2024-2025, currently Assistant Professor at Zhejiang University), Simone Rademacher (2024–2026, currently Professor at University of Mannheim), Giao Ky Duong (2023–2025, currently Researcher at New York University in Abu Dhabi), Martin Ravn Christiansen (2023–2024), Lea Bossmann (2022–2024, currently Professor at FAU Erlangen-Nürnberg), Jinyeop Lee (2021–2024, currently Assistant Professor at Kyung Hee University), Arnaud Triay (2019–2022, currently Professor at LMU Munich), Julien Ricaud (2017–2021, currently Investigador Asociado at UNAM, México)

Mini-courses for Young Researchers

2025 Semiclassical analysis for Schrödinger operators, VIASM Hanoi

2024 Quantum correlations of interacting systems, AMSS, Chinese Academy of Sciences

2024 Summer school "Current topics in Mathematical Physics", University of Zurich

2023 Random phase approximation for the mean-field electron gas, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing

2022 Semiclassical approximation for Schrödinger operators, VNU-Ho Chi Minh City

2022 The mathematics of interacting Bose gases, VIASM Hanoi

2022 Bosonization and Bogoliubov diagonalization method for Fermi gases, University of Copenhagen, 4EU+ Masterclass

2021 The mathematical theory of interacting Bose gases, Peking University

2021 Mathematics of Bose–Einstein condensation and related phenomena, KIAS, Korea

2017 Collective behaviors of weakly interacting Bose gases, SISSA, Trieste

2016 Mean-field approximation for large quantum systems, VNU-Ho Chi Minh City

Co-organizer of Conferences

2027 International Congress in Mathematical Physics (ICMP), Da Nang, August 2–7

2026 VIASM Summer School in Mathematical Physics, Ho Chi Minh City, August 10–14

2024 Conference "Mathematical Physics and PDEs", Herrsching, December 15–20

2024 VIASM Summer School in Mathematical Physics, Hue, August 5–10

2024 Conference "Resonances in the Mathematical World", Ho Chi Minh City, Aug. 1–4

2024 Workshop "Frontiers in Analysis and Mathematical Physics", Seoul, April 8-12

2023 Oberwolfach Mini-Workshop "Mathematics of Many-body Fermionic Systems", October 29 – November 4

2023 VIASM-IAMP Summer School in Mathematical Physics, Quy Nhon, August 1–5

2023 Workshop of Young Researchers in Mathematical Physics, Westerham, July 5–7

2022 Conference "Mathematical results of many-body quantum systems", Herrsching, June 6–11

2018 Conference "Recent Results on Quantum Many-Body Systems" in honor of Heinz Siedentop, Herrsching, May 7–9

Publications

Research Papers

79. L. Lü, P. T. Nam, and R. Zhu. "Derivation of the focusing Φ_1^6 measure in the optimal mass regime from many-body quantum Gibbs states". Preprint 2026. (arXiv:2605.25755)

78. P. S. Madsen, P. T. Nam, H. Spohn, and M.-B. Tran. "On the asymptotic behavior at the kinetic time of a weakly interacting Fermi gas". Preprint 2026. (arXiv:2605.13499)

77. P. T. Nam, R. Zhu, and X. Zhu. "Derivation of Gibbs measure from Gibbs state with the fractional Bessel interaction in two dimensions". Preprint 2026. (arXiv:2604.21583)

76. R. L. Frank, L. Meng, P. T. Nam, and H. Siedentop. "Eigenvalue asymptotics of Müller minimizers for atoms and molecules". Preprint 2026. (arXiv:2604.18386)

75. B. Chen, Y. Guo, P. T. Nam, and D. H Ou Yang. "Pseudo-relativistic fermionic systems with attractive Yukawa potential". Preprint 2026. (arXiv:2601.19751)

74. P. T. Nam, S. Rademacher, and A. Soffer. "Dispersive estimates and long-time validity for Bogoliubov dynamics of interacting Bose gases". Preprint 2025. (arXiv:2511.12748)

73. G. K. Duong, T. M. T. Le, P. T. Nam, and P. T. Nguyen. "Finite-rank optimizers for the mass-supercritical Lieb-Thirring and Hardy-Lieb-Thirring inequalities". Preprint 2025. (arXiv:2510.24148)

72. J. J. Chong, H. Liang, and P. T. Nam. "Kinetic localization via Poincaré-type inequalities and applications to the condensation of Bose gases". *J. Funct. Anal.* **291** (2026), 111542.

71. E. L. Giacomelli, C. Hainzl, P. T. Nam, and R. Seiringer. "The Huang-Yang conjecture for the low-density Fermi gas". Preprint 2025 (arXiv:2505.22340)

70. B. Chen, Y. Guo, P. T. Nam, and D. H. Ou Yang. "Mass-critical neutron stars in the Hartree-Fock and Hartree–Fock–Bogoliubov theories". Preprint 2025 (arXiv:2504.16462)

69. P. T. Nam, R. Zhu, and X. Zhu. "Φ_3^4 Theory from many-body quantum Gibbs states". Preprint 2025 (arXiv:2502.04884)

68. A. Deuchert, P. T. Nam, and M. Napiórkowski. "A note on spontaneous symmetry breaking in the mean-field Bose gas". *Lett. Math. Phys.* **115** (2025), Art. No. 111.

67. A. Deuchert, P. T. Nam, and M. Napiórkowski. "The Gibbs state of the mean-field Bose gas". Preprint 2025 (arXiv:2501.19396)

66. G. K. Duong and P. T. Nam. "Lieb-Thirring inequalities for large quantum systems with inverse nearest-neighbor interactions". Preprint 2024 (arXiv:2501.00866)

65. C. Dietze and P. T. Nam. "Minimizing sequences of Sobolev inequalities revisited". *Int. Math. Res. Not.* (IMRN) 2025, Issue 13, rnaf190.

64. E. L. Giacomelli, C. Hainzl, P. T. Nam, and Robert Seiringer. "The Huang-Yang formula for the low-density Fermi gas: upper bound". *Comm. Pure Appl. Math.* 2026, https://doi.org/10.1002/cpa.70040. (arXiv:2409.17914)

63. M. R. Christiansen, C. Hainzl, and P. T. Nam. "The Correlation Energy of the Electron Gas in the Mean-Field Regime". *J. Amer. Math. Soc.*, in press. (arXiv:2405.01386)

62. G. K. Duong, R. L. Frank, T. M. T. Le, P. T. Nam, and P. T. Nguyen. "Cwikel-Lieb-Rozenblum type inequalities for Hardy-Schrödinger operator". *J. Math. Pures Appl.* **190** (2024), 103598.

61. C. Dietze and P. T. Nam. "Hardy-Sobolev interpolation inequalities". *Calc. Var. Partial Differential Equations* **63** (2024), Art. 184.

60. C. Brennecke, J. Lee, and P. T. Nam. "Second order expansion of Gibbs state reduced densities in the Gross-Pitaevskii regime". *SIAM J. Math. Anal.* **56** (2024), 5262-5284.

59. M. Lewin and P. T. Nam. "Positive-density ground states of the Gross-Pitaevskii equation". *Probab. Math. Phys.* **6** (2025), 647–731.

58. P. T. Nam and S. Rademacher. "Exponential bounds of the condensation for dilute Bose gases". *Trans. Amer. Math. Soc.* **378** (2025), 3229–3278.

57. L. Bossmann, C. Dietze, and P. T. Nam. "Focusing dynamics of 2D Bose gases in the instability regime". *Analysis & PDE* **19** (2026), 281–316.

56. R. Arora, P. T. Nam, and P.T. Nguyen. "Semiclassical Moser–Trudinger inequalities". *Trans. Amer. Math. Soc.* **277** (2024), 3243–3260.

55. F. Haberberger, C. Hainzl, P. T. Nam, R. Seiringer, and A. Triay. "The free energy of dilute Bose gases at low temperatures". Preprint 2023 (arXiv:2304.02405)

54. M. R. Christiansen, C. Hainzl, and P. T. Nam. "The Gell-Mann–Brueckner Formula for the Correlation Energy of the Electron Gas: A Rigorous Upper Bound in the Mean-Field Regime". *Commun. Math. Phys.* **401** (2023), 1469-1529.

53. P. T. Nam. "A proof of the Lieb-Thirring inequality via the Besicovitch covering lemma". *Acta Mathematica Vietnamica* **48** (2023), 75-81. Special issue dedicated to Professor Duong Minh Duc on the occasion of his 70th birthday.

52. M. R. Christiansen, C. Hainzl, and P. T. Nam. "On the Effective Quasi-Bosonic Hamiltonian of the Electron Gas: Collective Excitations and Plasmon Modes". *Lett. Math. Phys.* **112** (2022), Art. 114. Themed collection "Mathematical Physics and Numerical Simulation of Many-Particle Systems".

51. P. T. Nam, J. Ricaud, and A. Triay. "Ground state energy of the low density Bose gas with three-body interactions". *J. Math. Phys.* **63** (2022), 071903. Special collection in honor of Freeman Dyson.

50. P. T. Nam, J. Ricaud, and A. Triay. "The condensation of a trapped dilute Bose gas with three-body interactions". *Probab. Math. Phys.* **4** (2023), pp. 91-149.

49. P. T. Nam and A. Triay. "Bogoliubov excitation spectrum of trapped Bose gases in the Gross-Pitaevskii regime". *J. Math. Pures Appl.* **176** (2023), 18-101.

48. M. R. Christiansen, C. Hainzl, and P. T. Nam. "The Random Phase Approximation for Interacting Fermi Gases in the Mean-Field Regime". *Forum Math. Pi* **11** (2023), e32, 1-131.

47. N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. "Bosonization of Fermionic Many-Body Dynamics". *Ann. Henri Poincaré* **23** (2022), pp. 1725–1764.

46. R. L. Frank and P. T. Nam. "Existence and nonexistence in the liquid drop model". *Calc. Var. Partial Differential Equations*, **60**, 223 (2021), pp. 1-12.

45. P. T. Nam and M. Napiórkowski. "Two-term expansion of the ground state one-body density matrix of a mean-field Bose gas". *Calc. Var. Partial Differential Equations* **60**, 99 (2021), pp. 1-30.

44. K. Kögler and P. T. Nam. "The Lieb-Thirring inequality for interacting systems in strong-coupling limit". *Arch. Ration. Mech. Anal.* **240** (2021), pp. 1169–1202.

43. N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. "Correlation energy of a weakly interacting Fermi gas". *Invent. Math.* **225** (2021), pp. 885–979.

42. P. T. Nam, M. Napiórkowski, J. Ricaud, and A. Triay. "Optimal rate of condensation for trapped bosons in the Gross-Pitaevskii regime". *Analysis & PDE* **15** (2022), 1585–1616.

41. M. Lewin, P. T. Nam, and N. Rougerie. "Classical field theory limit of many-body quantum Gibbs states in 2D and 3D". *Invent. Math.* **224** (2021), 315–444.

40. P. T. Nam and N. Rougerie. "Improved stability for 2D attractive Bose gases". *J. Math. Phys.* **61** (2020), 021901.

39. D. Mukherjee, P. T. Nam, and P. T. Nguyen. "Uniqueness of ground state and minimal-mass blow-up solutions for focusing NLS with Hardy potential". *J. Funct. Anal.* **281** (2021), 109092.

38. S. Larson, D. Lundholm, and P. T. Nam. "Lieb-Thirring inequalities for wave functions vanishing on the diagonal set". *Annales Henri Lebesgue* **4** (2021), 251–282.

37. P. T. Nam and R. Salzmann. "Derivation of 3D energy-critical nonlinear Schrödinger equation and Bogoliubov excitations for Bose gases". *Commun. Math. Phys.* **375** (2020), pp. 495–571.

36. N. Benedikter, P. T. Nam, M. Porta, B. Schlein, and R. Seiringer. "Optimal upper bound for the correlation energy of a Fermi gas in the mean-field regime". *Commun. Math. Phys.* **374** (2020), pp. 2097–2150.

35. R. L. Frank, D. Hundertmark, M. Jex, and P. T. Nam. "The Lieb-Thirring inequality revisited". *J. Eur. Math. Soc.* **23** (2021), pp. 2583–2600.

34. N. Gottschling and P. T. Nam. "Convergence of Levy-Lieb to Thomas-Fermi density functional". *Calc. Var. Partial Differential Equations* **57** (2018), pp. 105–117.

33. A. Michelangeli, P. T. Nam, and A. Olgiati. "Ground state energy of mixture of Bose gases". *Rev. Math. Phys.* **31** (2019) p. 1950005.

32. C. Brennecke, P. T. Nam, M. Napiórkowski, and B. Schlein. "Fluctuations of N-particle quantum dynamics around the nonlinear Schrödinger equation". *Ann. Inst. H. Poincaré (C) Anal. Non Linéaire* **36** (2019), pp. 1201–1235.

31. P. T. Nam and M. Napiórkowski. "Norm approximation for many-body quantum dynamics: focusing case in low dimensions". *Advances in Math.* **350** (2019), pp. 547–587.

30. P. T. Nam. "Lieb-Thirring inequality with semiclassical constant and gradient error term". *J. Funct. Anal.* **274** (2018), pp.1739–1746.

29. P. T. Nam. "Binding energy of homogeneous Bose gas". *Lett. Math. Phys.* **108** (2018), pp. 141–159.

28. M. Lewin, P. T. Nam, and N. Rougerie. "Gibbs measures based on 1D (an)harmonic oscillators as mean-field limits". *J. Math. Phys.* **59** (2018), p. 041901.

27. R. L. Frank, P. T. Nam, and H. Van Den Bosch. "The maximal excess charge in Müller density-matrix-functional theory". *Ann. Henri Poincaré* **19** (2018), pp. 2839–2867.

26. R. L. Frank, P. T. Nam, and H. Van Den Bosch. "The ionization conjecture in Thomas-Fermi-Dirac-von Weizsäcker theory". *Comm. Pure Appl. Math.* **71** (2018), pp. 577–614.

25. P. T. Nam and M. Napiórkowski. "A note on the validity of Bogoliubov correction to mean-field dynamics". *J. Math. Pures Appl.* **108** (2017), 662–688.

24. R. L. Frank, R. Killip, and P. T. Nam. "Nonexistence of large nuclei in the liquid drop model". *Lett. Math. Phys.* **106** (2016), 1033–1036.

23. P. T. Nam and H. Van Den Bosch. "Nonexistence in Thomas-Fermi-Dirac-von Weizsäcker theory with small nuclear charges". *Math. Phys. Anal. Geom.* (2017), 20:6.

22. M. Lewin. P. T. Nam, and N. Rougerie. "A note on 2D focusing many-boson systems". *Proc. Amer. Math. Soc.* **145** (2017), pp. 2441-2454.

21. P. T. Nam and M. Napiórkowski. "Bogoliubov correction to the mean-field dynamics of interacting bosons". *Adv. Theor. Math. Phys.* **21** (2017), pp. 683–738.

20. P. T. Nam, M. Napiórkowski, and J. P. Solovej. "Diagonalization of bosonic quadratic Hamiltonians by Bogoliubov transformations". *J. Funct. Anal.* **270** (2016), pp. 4340–4368.

19. P. T. Nam, N. Rougerie, and R. Seiringer. "Ground states of large bosonic systems: The Gross-Pitaevskii limit revisited". *Analysis & PDE* **9** (2016), pp. 459–485.

18. D. Lundholm. P. T. Nam, and F. Portmann. "Fractional Hardy-Lieb-Thirring and related inequalities for interacting systems". *Arch. Ration. Mech. Anal.* **219** (2016), pp. 1343–1382.

17. M. Lewin, P. T. Nam, and N. Rougerie. "Derivation of nonlinear Gibbs measures from many-body quantum mechanics". *Journal de l'École Polytechnique – Mathématiques* **2** (2015), pp. 65–115.

16. M. Lewin, P. T. Nam, and N. Rougerie. "The mean-field approximation and the nonlinear Schrödinger functional for trapped Bose gases". *Trans. Amer. Math. Soc.* **369** (2016), pp. 6131–6157.

15. P. T. Nam and R. Seiringer. "Collective excitations of Bose gases in the mean-field regime". *Arch. Ration. Mech. Anal.* **215** (2015), pp. 381–417.

14. M. Lewin, P. T. Nam, and N. Rougerie. "Remarks on the quantum de Finetti theorem for bosonic systems". *Appl. Math. Res. Express* (AMRX) **1** (2015), pp. 48–63.

13. M. Lewin, P. T. Nam, and B. Schlein. "Fluctuations around Hartree states in the mean-field regime". *Amer. J. Math.* **137** (2015), pp. 1613–1650.

12. M. Lewin, P. T. Nam, and N. Rougerie. "Derivation of Hartree's theory for generic mean-field Bose systems". *Advances in Math.* **254** (2014), pp. 570–621.

11. M. Lewin, P. T. Nam, S. Serfaty, and J. P. Solovej. "Bogoliubov spectrum of interacting Bose gases". *Comm. Pure Appl. Math.* **68** (2015), pp. 413–471.

10. P. T. Nam, F. Portmann, and J. P. Solovej. "Asymptotics for two dimensional atoms". *Ann. Henri Poincaré* **13** (2012), pp. 333–362.

9. P. T. Nam. "New bounds on the maximum ionization of atoms". *Commun. Math. Phys.* **312** (2012), pp. 427–445.

8. P. T. Nam, A. Pham Ngoc Dinh, P.H. Quan, and D. D. Trong. "Ice formation in the Arctic during summer: false-bottoms". *Appl. Math. Comput.* **227** (2014), pp. 857–870.

7. D. D. Trong, P. T. Nam, and P.T. Thuc. "The body force in a three-dimensional Lamé system: identification and regularization". *Inverse Probl. Sci. Eng.* **20** (2012), pp. 517–532.

6. P. T. Nam. "An approximate solution for nonlinear backward parabolic equations". *J. Math. Anal. Appl.* **367** (2010), pp. 337–349.

5. P. T. Nam, D. D. Trong, and N. H. Tuan. "The truncation method for a two-dimensional nonhomogeneous backward heat problem". *Appl. Math. Comput.* **216** (2010), pp. 3423–3432.

4. D. D. Trong, M. N. Minh, A. Pham Ngoc Dinh, and P. T. Nam. "Hölder-type approximation for the spatial source term of a backward heat equation". *Numer. Funct. Anal. Optim.* **31** (2010), pp. 1386–1405.

3. D. D. Trong, A. Pham Ngoc Dinh, and P. T. Nam. "Determine the spatial term of a two-dimensional heat source". *Applicable Analysis* **88** (2009), pp. 457–474.
2. P. T. Nam and M. N. Minh. "Proof of a conjecture on general means". *J. Inequal. Pure Appl. Math.* **9** (2008), no. 3, Article 86.
1. D. D. Trong, A. Pham Ngoc Dinh, P. T. Nam, and T. T. Tuyen. "Determination of the body force of a two-dimensional isotropic elastic body". *J. Comput. Appl. Math.* **229** (2009), pp. 192-207.

Reviews and Proceedings of Conferences

18. P. T. Nam. "Bosonization of Fermi gases". *J. Math. Phys.* 67 (2026), 031101. Proceedings of the 21th ICMP, Strasbourg 2024.
17. A. Deuchert, P. T. Nam, and M. Napiórkowski. "The Gibbs state of the mean-field Bose gas". Oberwolfach Reports 22 (2025), No. 1, pp. 339-374.
16. N. Leopold, P. T. Nam, and C. Saffirio. "Mini-Workshop: Mathematics of Many-body Fermionic Systems". *Oberwolfach Reports* 20(4), 2809-2849.
15. P. T. Nam. "The ionization problem in quantum mechanics". In: *The Physics and Mathematics of Elliott Lieb*, EMS Publishing House (2022). A book in honour of Elliott H. Lieb's 90th birthday, edited by R. L. Frank, A. Laptev, M. Lewin and R. Seiringer.
14. P. T. Nam, J. Ricaud, A. Triay. "Dilute Bose gas with three-body interaction: recent results and open questions". *J. Math. Phys.* **63** (2022), 061103. Proceedings of the 20th ICMP, Geneva 2021.
13. P. T. Nam. "Bogoliubov excitation spectrum of Bose gases". Proceedings of the 8th European Congress of Mathematics, Portorož June 20–26, 2021, pp. 585–605.
12. P. T. Nam. "The Ionization Problem". *EMS Newsletter*, December 2020, pp. 22–27.
11. P. T. Nam. "Direct methods to Lieb-Thirring kinetic inequalities". Lecture Notes Series, IMS National University of Singapore, Vol. 41: Density Functionals for Many-Particle Systems, pp. 81-115 (2023).
10. M. Lewin, P. T. Nam, and N. Rougerie. "Derivation of renormalized Gibbs measures from equilibrium many-body quantum Bose gases". *J. Math. Phys.* **60** (2019), 061901. Proceedings of the 19th ICMP, Montreal 2018.
9. P. T. Nam. "Nonlinear Gibbs measure and Bose gases at positive temperature". *IAMP News Bulletin*, January 2019, 3-19.
8. M. Lewin, P. T. Nam, and N. Rougerie. "The interacting 2D Bose gas and nonlinear Gibbs measures". *Oberwolfach Reports*, 15(2):1081–1116, 2018.
7. M. Lewin, P. T. Nam, and N. Rougerie. "Blow-up profile of rotating 2D focusing Bose gases". In: *Macroscopic Limits of Quantum Systems*, edited by D. Cadamuro, M. Duell, W. Dybalski and S. Simonella, Springer 2018, pp. 145–170. Proceedings of a conference in honor of Herbert Spohn's 70th birthday, Munich 2017.
6. R. L. Frank, P. T. Nam, and H. van den Bosch. "A short proof of the ionization conjecture in Müller theory". In: *Mathematical Problems in Quantum Physics*, edited by F. Bonetto, D. Borthwick, E. Harrell and M. Loss, AMS Contemporary Mathematics 717 (2018), pp. 1-12. Proceedings of QMATH13, Atlanta 2016.
5. P. T. Nam and M. Napiórkowski. "Norm approximation for many-body quantum dynamics and Bogoliubov theory". In: *Advances in Quantum Mechanics*, edited by A. Michelangeli and G. Dell'Antonio, Springer INdAM Ser. 18 (2017), pp. 223-238.
4. R. L. Frank, P. T. Nam, and H. van den Bosch. Maximum ionization in Thomas-Fermi-Dirac-Weizsácker theory. *Oberwolfach Reports*, 13(3):2500-2502, 2016.

3. M. Lewin, P. T. Nam, and N. Rougerie. "Bose Gases at Positive Temperature and Non-Linear Gibbs Measures". Proceedings of the 18th ICMP, Santiago 2015.

2. P. T. Nam. "On the number of electrons that a nucleus can bind". *XVIIth International Congress on Mathematical Physics*, A. Jensen (ed.), World Sci. Publ. 2013, pp. 504–511. Proceedings of the 17th ICMP, Aalborg 2012.

1. D. D. Trong, P. T. Nam, and M. N. Minh. "Recovering a class of entire functions and application to heat equations". *Vietnam J. Math.* **37** (2009), pp. 1-19. Proceedings of the Vietnam Mathematical Congress, Quy Nhon 2008.