I Curriculum Vitae

Jelenlegi munkahely:
HUN-REN Bölcsészettudományi Központ
Filozófiai Intézet
H-1097 Budapest, Tóth Kálmán u. 4.
Tel: 0036-1224-6700/166
Email: szabo.gabor@btk.mta.hu
Home page: http://hps.elte.hu/∼gszabo

Személyes:
Szül: Szombathely, 1969 március 9.
Családi áll.: nős, három gyerek apja

Kutatási terület:
A kvantumelmélet filozófiai alapjai, a valószínűség és a kauzalitás története és metafizikája, Bell-egyenlőtlenségek, a reichenbachi közös ok elv, a modern fizika története és filozófiája.

Képzés:
2020 D.Sc.tudományfilozófia (Magyar Tudományos Akadémia)
2012 habilitáció (Eötvös Loránd Tudományegyetem, Budapest)
2001 Ph.D. tudományfilozófiából (Budapesti Műszaki és Gazdaságtudományi Egyetem, Budapest)
1993 fizikus diploma (Eötvös Loránd Tudományegyetem, Budapest)

Korábbi munkahelyek:
2018-től: tudományos tanácsaadó, MTA BTK Filozófiai Intézet
2012-től: főmunkatárs, MTA BTK Filozófiai Intézet
2012-2016: docens, Óbudai Egyetem Neumann János Kar
2008-2011: Bolyai János kutatóösztöndíjas, ELTE Logika Tanszék
2006-2012: docens, Zsigmond Király Főiskola
2003-2006: Bolyai János kutatóösztöndíjas, BME Tudományfilozófia és Tudománytörténet Tanszék

Nemzetközi kutatóösztöndíjak:
2021-2022: Friedrich Wilhelm Bessel Kutatói Díj, Munich Center for Mathematical Philosophy, München, Németország
2011-2012: Fulbright-ösztöndíj, Center for Philosophy of Science, University of Pittsburgh, USA.
1996-1997: KAAD-ösztöndíj, Ludwig-Maximilian Egyetem München, Filozófia Tanszék, Németország.
2015 június: Senior Research Fellowship, Munich Center for Mathematical Philosophy, München, Németország.
2017 június: Az Olasz Külügyminiszérium utazási támogatása, Róma, Olaszország.

Nyelvek:
Angol (folyékony), német (korábban folyékony), olasz (közép)

Díjak:
Az MTA kutató-tanár díja, 2004.

Projektek:
– "A regional network for formal philosophy," Visegrad (V4) Grant, (magyar vezető kutató), 2018, (21.705 EUR) (elbírálás alatt).
– "Probability, Causality and Determinism," a Magyar és a Lengyel Tudományos Akadémia Bilaterális Mobilitási Pályázata, (magyar vezető kutató), 2014-2016 (2.200 EUR).
– "A fizika metafizikai alapjai formális megközelítésben," OTKA, K 115593, (vezető kutató), 2015-2019 (16.000.000 HUF).
– "Valószínűség, kauzalitás, tér és idő," OTKA, K 100715, (kutatótárs), 2012-2015 (8.600.000 HUF).
– "Korrelációk és magyarázataik," OTKA, T 043642, (kutatótárs), 2003-2005 (4.100.000 HUF).

– "Tudásformák - a tudás különböző formái, ezek alapjai, közös és különböző vonásai," OTKA, T 037575, (kutatótárs), 2002-2005 (8.400.000 HUF).

Referens külföldi folyóiratokban:
The British Journal for the Philosophy of Science, Erkenntnis, Foundations of Physics, International Journal of Theoretical Physics, Journal of Mathematical Physics, Philosophy of Science, Studies in the History and Philosophy of Modern Physics, Synthese

Az alábbi nemzetközi konferenciák programbizottságaiban:
– Foundations of Physics Conference, Utrecht, July 2018.
– European Philosophy of Science Association, Exeter, September 2017.
– East European Network for Philosophy of Science Sofia, June 2016.
– European Philosophy of Science Association, Düsseldorf, September 2015.
– Foundations of Physics Conference, Munich, July 2013.

Közéleti tevékenység:
– Az European Journal for the Philosophy of Science szerkesztőbizottságának tagja
– A MTA Filozófiai Bizottságának tagja (2014-17)
– Az MTA BTK FI Fizika Filozófiája Kutatócsoport vezetője
– A Research Group on the Philosophical Foundations of Science tagja (http://bp-group.tumblr.com/)
– Az MTA BTK FI Kutatócsoportvezetői Tanácsának (korábban a Stratégiai Tanácsának) tagja

Meghívott előadások nemzetközi workshopokon és szemináriumokon az utóbbi 5 évben:
(A teljes listát lásd itt: http://hps.elte.hu/∼gszabo.)

– "Causality and operational equivalence," Department of Philosophy, Jagiellonian University, Kraków, Poland, 2024 October.
– "Bridgmanian quantum mechanics," Department of Philosophy, Pisa, Italy, 2024 August.
– "Operational equivalence and causal structure," Sigma Club, London School of Economics, London, 2024 March.
– "Operational equivalence and causal structure," Physics meets Philosophy workshop, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2023 November.
– "Kvantumelmélet és interpretáció (Quantum Theory and interpretation)," Kelet Kávézó, Budapest, 2023 November.
– "A kvantumelmélet modális interpertációja (The Modal interpretation of Quantum Theory)," Modalitások konferencia, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2023 October.
– "Three types of Bell inequality," "Triennial International Conference of the Italian Society for Logic and the Philosophy of Science, Urbino, Italy, 2023 September.
– "Three types of Bell inequality," "MCMP-Wuppertal-Hannover Workshop, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2023 July.
– "Three types of Bell inequality," Physics meets Philosophy Workshop, Institute for Quantum Optics and Quantum Information, Austrian Academly of Sciences, Austria, 2023 June.
– "History and Philosophy of Science: Present and Prospects" Round table discussion, Institute of Philosophy, Budapest, 2023 June.
– "Contextuality in the natural and social sciences," Fióka seminar, Eötvös University, Budapest, Hungary, 2023 May.
– "Partneri viszonyok, elfogadás és befogadás egy német középiskolában" (Partnership, Acceptance and Inclusion in a German Secondary School), Együttműködő közoktatás, Civil Közoktatási Fórum, Budapest, 2023 January.
– "Mi az idő?" (What is Time?), Videokávészalon, Budapest, 2023 January.

– ”Idő a fizikában,” (Time in Physics), Time in the Sciences and in Philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, Hungary, 2022 December.
– ”A kvantumelmélet interpretációi,” (Interpretations of quantum theory), Tudomány Napja, University of Pannonia, Veszprém, Hungary, 2022 November.
– "Idő és relativitás," (Time and relativity) Könyvtári keddek, József Attila Gimnázium, Budapest, 2022 November.
– "Is the quantum state real?," Physics meets philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2022 September.
– “Contextuality in natural and social sciences," Milestone Interdisciplinary Reading Group, Budapest, 2022 August.
– ”Between social and classical: contextuality in quantum theory,” Parmenides Center for the Conceptual Foundations of Science, Pöcking, Germany, 2022 July.
– ”Quantum mechanics without operational equivalence,”Work-in-Progress Seminar, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2022 May.
– ”Two concepts of noncontextuality in quantum mechanics,” History and Philosophy of Physics Research Seminar, Lichtenberg Group, University of Bonn, Germany, 2022 April.
– ”Quantum mechanics without operational equivalence,” Research Seminar, University of Wuppertal, Germany, 2022 April.
– ”Contextuality in the natural and social sciences,” Institute seminar, Institute of Philosophy, Budapest, Hungary 2022 March.
– ”Quantum mechanics without operational equivalence,” Logic and Philosophy of Science Seminar, Eötvös University, Budapest, Hungary 2022 February.
– ”A dynamical systems approach to causation,” Philosophy of Science Seminar, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2021 December.
– ”Two concepts of noncontextuality in quantum mechanics,” New Foundations for Physics, Center for Advanced Studies LMU, Munich, Germany, 2021 November.
– “Kvantum és kvantumszerű“ (Quantum and quantum-like), book review of Thomas Filk: Quantum and quantum-like, introduction to quantum theory and its application in cognitive and social sciences, iASK-MTA conference, 2021 October.
– Comment on Daniel Kodaj’s “Finite Conditional Frequentism,“ Institute of Philosophy Seminar, Research Centre for the Humanities, Budapest, 2020 December.
– “EPR’s reality criterion,“ Logic and Philosophy of Science Seminar, Eötvös University, Budapest, 2020 September (with Márton Gömöri).
– “A valószínűség interpretációi“ (Interpretations of probability), Physics meets philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2020 September.
– ”On the three types of Bell’s inequalities,“ Quantum, Probability, Logic: The Work and Influence of Itamar Pitowsky, Sidney M. Edelstein Center, Hebrew University, Jerusalem, Israel, 2020 May (postponed due to pandemic)
– ”Three nonconextual hidden variable theories of the Peres-Mermin square,“ Philosophy of Physics Seminar, Cohn Institute, Tel-Aviv University, Tel-Aviv, Israel, 2020 May (postponed due to pandemic).
– ”A dynamical systems appoach to causation,“ Causation in Science Conference, Sidney M. Edelstein Center, Hebrew University, Jerusalem, Israel, 2020 May (with Péter Fazekas, Balázs Gyenis, and Gergely Kertész) (postponed due to pandemic).
– ”Simultaneous versus measurement contextuality in quantum theory,” Faculty of Philosophy, University of Barcelona, Spain, 2020 March.
– ”Comment on Orly Shenker and Meir Hemmo’s: The Physics of Implementing Logic: Landauer’s Principle and the Multiple-Computations Theorem,” Physicalism and Reduction workshop, Institute of Philosophy, Budapest, Hungary, 2019 December.
– ”Contextuality and the Kochen-Specker theorem,” Department of Philosophy, University of Bristol,

UK, 2019 October. – "Contextuality and the Kochen-Specker theorem," Department of Philosophy, University of Bristol, UK, 2019 October.
– "Two concepts of noncontextuality," Sigma Club, London School of Economics, London, UK,, 2019 October.
– "Between social and classical: contextuality in quantum theory," Institute of Advanced Studies Kőszeg, 2019 October.
– "Noncontextuality in quantum mechanics," The Seventh Conference of the European Philosophy of Science Association, University of Geneva, Switzerland, 2019 September.
– "Two concepts of noncontextuality," Deparment of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece, 2019 June.
– "Noncontextuality in physics and beyond," Department of Cognitive Science and Psychology, New Bulgarian University, Sofia, Bulgaria, 2019 June.
– "Bell's local causality in local physical theories," Relativistic Locality Conference, Munich Center for Mathematical Philosophy, Munich, Germany, 2019 May.
– "Two concepts of noncontextuality in quantum mechanics," Philosophy of Physics Seminar, Munich Center for Mathematical Philosophy, Munich, Germany, 2019 May.
– "Two concepts of noncontextuality in quantum mechanics," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2019 April.
– "Contextuality," Institute seminar, Research Center for the Humanities, Budapest, Hungary, 2017 November.
– "Bell's local causality in local physical theory," Quantum Investigations: A Conference in Honour of Miklós Rédei, London School of Economics, London, UK, 2017 October.
– "How human and nature shakes hand: on the role of no-conspiracy in physical theories," The Sixth Conference of the European Philosophy of Science Association, University of Exeter, UK, 2017 September.
– "Local causality in algebraic field theories," The Third Logic, Relativity, and Beyond Conference, Rényi Institute of Mathematics, Budapest, 2017 August.
– "A dynamical systems appoach to causation," Triennial International Conference of the Italian Society for Logic and Philosophy of Science, University of Bologna, Italy, 2017 June (with Péter Fazekas, Balázs Gyenis, and Gergely Kertész).
– "Bell's local causality," The Descartes Centre for the History and Philosophy of the Sciences and the Humanities, University of Utrecht, The Netherlands, 2017 May.
– "Three levels of Bell's inequalities," Logic and Interactive Rationality Seminar, University of Amsterdam, The Netherlands, 2017 May.
– "On the Common Cause Principle," Philosophy of Physics Seminar, Institute of Philosophy, Stockholm University, Sweden, 2017 April.
– "Local causality in quantum theory," Department of Philosophy, University of Belgrade, Belgrade, Serbia, 2017 April.
– "Publishing a paper in a journal," Philosophy Publication Workshop, Central European University, Budapest, 2017 March.
– "Quantum theory and local causality," (talk on skype) IMT School for Advanced Studies Lucca, Italy, 2017 February.
– "The Common Cause Principle," Analytic Philosophy Department, Czech Academy of Sciences, Prague, Czechy, 2016 September.
– "Deconstructing superposition," The Sixth Budapest-Krakow Workshop on Probability, Causality and Determinism, Research Center for the Humanities, Krakow, Poland, 2016 September.
– "Einstein's reality criterion," XII Conference of the Italian Society for Analytic Philosophy, Pistoia, Italy, 2016 September.
– "On the meaning of EPR's Criterion of Reality," Eighth Quadrennial Pittsburgh Fellows Conference, Lund University, Lund, Sweden, 2016 July.

– "Quantum mechanics as a representation of classical conditional probabilities," Quantum Foundations workshop, Quantum Information Theory Group, University of Pavia, Pavia, Italy, 2016 June.
– "Quantum mechanics from scratch," The Fifth Budapest-Krakow Workshop on Probability, Causality and Determinism, Research Center for the Humanities, Budapest, Hungary, 2016 May.
– "How man and nature shake hands: the role of no-conspiracy in physical theories," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2016 March.
– "Bell's local causality and d-separation," Local Causality and Causal Graphs, Mini-Symposium of the Philosophy of Physics Research Group, Institute of Philosophy, Hungarian Academy of Sciences, 2016 March.
– "How man and nature shakes hand: the role of no-conspiracy in physical theories," Institute of Philosophy, Jagiellonian University, Krakow, Poland, 2016 March.
– "Local causality in local physical theories," Causality and Non-locality in Physics, Quantum and Classical, University of the Basque Country, San Sebastián, Spain, 2015 November.
– "Einstein's reality criterion,"Department of Philosophy, University of Haifa, Haifa, Israel, 2015 October.
– "Conditioning using conditional expectation: the Borel-Kolmogorov paradox," Fifth Conference of the European Philosophy of Science Association, Düsseldorf, Germany, 2015 September (with Zalán Gyenis and Miklós Rédei).
– "On the Emergence of Macrostates," The Fourth Budapest-Krakow Workshop on Probability, Causality and Determinism, Institute of Philosophy, Jagiellonian University, Krakow, Poland, 2015 September (with Márton Gömöri and Balázs Gyenis).
– "On Einstein's reality criterion in an operational approach," Munich Center for Mathematical Philosophy, Munich, Germany, 2015 May.
– "On Einstein's reality criterion," The Third Budapest-Krakow Workshop on Probability, Causality and Determinism, Research Center for the Humanities, Budapest, Hungary, 2015 May (with Márton Gömöri).
– "The Borel-Kolmogorov Paradox and conditional expectations," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2015 March (joint talk with Zalán Gyenis and Miklós Rédei).
– "On Bell's notion of local causality in local classical and quantum theory," The Sixth Nagoya Winter Workshop on Reality and Measurement in Algebraic Quantum Theory, Nagoya University, Nagoya, Japan, 2015 March.
– "Bell's local causality in local physical theories," Department of Philosophy, Hebrew University, Jerusalem, Israel, 2014 November.
– "Bell's local causality for philosophers," Biennial Meeting of the Philosophy of Science Association, Chicago, USA, 2014 November.
– "On Bell's notion of local causality in local classical and quantum theory," Department of Philosophy, Harvard University, Cambridge, USA, 2014 November.
– "The Borel-Kolmogorov paradox and conditional expectation," The First Budapest-Krakow Workshop on Probability, Causality and Determinism, Research Center for the Humanities, Budapest, Hungary, 2014 September (with Miklós Rédei).
– "Bell's local causality in local classical and quantum theory," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2014 May (joint talk with Péter Vecsernyés Péter).
"Noncommutative common causal explanation and the Bell inequalities," Department of Philosophy, Durham University, UK, 2014 May.
– "Bell's local causality in local classical and quantum theory," London Foundations Connection, London School of Economics, London, UK, 2014 May.
– "Bell inequality and common causal explanation in algebraic quantum field theory," Department of Philosophy, University of Bristol, UK, 2014 May.
– "Causation: a dynamical systems approach," Theoretical Philosophy Forum, Department of Logic,

Eötvös University Budapest, 2014 April (joint talk with Péter Fazekas, Balázs Gyenis and Gergely Kertész).
– "Bell's local causality is a Causal Markov Condition," Munich Center for Mathematical Philosophy, Munich, Germany, 2014 April.
– "Common causal explanation and Bell inequality in algebraic quantum field theory," The Fifth Nagoya Winter Workshop on Quantum Information, Measurement and Foundations, Nagoya University, Nagoya, Japan, 2014 March.
– "Locality and Common Cause Principle," Department of Philosophy, University of Belgrade, Belgrade, Serbia, 2013 November.
– "Játék és kvantumelmélet" (Game and Quantum Theory), Játék és Tudomány, Bolyai Társaság, Babes-Bolyai Egyetem, Kolozsvár (Cluj-Napoca), Romania, 2013 October.
– "Von Mises és a valószínűség frekvenciaelmélete" (Von Mises and the frequency theory of probability), Department Seminar, Institute of Philosophy, Hungarian Academy of Sciences, 2013 September.
– "Bell's Local causality in algebraic field threory," Fourth Conference of the European Philosophy of Science Association, Helsinki, Finland, 2013 August.
– "On the localization of the common cause," Foundations of Physics Conference, Ludwig Maximilians University, Munich, Germany, 2013 July.
– "Frequency interpretation of probability," Institute of Philosophy, Jagiellonian University, Krakow, Poland, 2013 June.
– "Von Mises's theory of probability," Institute of Philosophy, Jagiellonian University, Krakow, Poland, 2013 June.
– "Local causality," Theoretical Philosophy Forum," Department of Logic, Eötvös University Budapest, 2013 May.
"Local causality in local classical and quantum threories," New Directions in the Philosophy of Physics, Department of Theoretical Philosophy, University of Bucharest, Romania, 2013 April.
– "Quantum correlations and causal explanation," Fulbright: Committed to the Future Conference, Budapest, 2013 March.
– "Common cause explanations of Bell-type experiments," Workshop on Causation, Dispositions and Probabilities in Physics and Biology, University of Lausanne, Switzerland, 2012 November (with Miklós Rédei).
– "Common causal explanation and Bell inequality in algebraic quantum field theory," Philosophy of Physics seminar, University of Oxford, UK, 2012 November.
– "Bell inequality and common causal explanation," Sigma Club, London School of Economics, London, UK, 2012 November.
– "Trying to understand a new no-go result: the PBR theorem," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2012 October.
– "Quantum correlations and Bell inequalities in algebraic quantum field theory," Munich Center for Mathematical Philosophy, Munich, Germany, 2012 October.
– "Bell inequality and common causal explanation in algebraic quantum field theory," Seventh Quadrennial Pittsburgh Fellows Conference, Mugla University, Turkey, 2012 June.
– "Bell inequality in algebraic quantum field theory," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2012 May.
– "Bell inequalities and common causes in algebraic quantum field theory," Southern California Philosophy of Physics Group, University of California, Irvine, USA, 2012 April.
– "Noncommutative Common Cause Principle in algebraic quantum field theory," Logic and Philosophy of Science Research Group, University of Maryland, Washington, USA, 2012 April.
– "Bell inequalities in algebraic quantum field theory," lunch-time seminar, Center for Philosophy of Science, University of Pittsburgh, USA, 2012 February.

Pályázatok:
2017: Az Olasz Külügyminiszérium utazási támogatása, Róma (1 hét)
2011-2012: Fulbright-ösztöndíj, USA (7 hónap)
2011-2012: Pittsburgh Fellowship, USA (8 hónap)
2008-2011: Bolyai János kutatóösztöndíjas (3 év)
2003-2006: Bolyai János kutatóösztöndíjas (3 év)
1996-1997: KAAD-ösztöndíj, Németország (1 év)
1996: A Deutsche Forschungsgemeinschaft (DFG) ösztöndíja (1 hét)

Tanítás:
– A kvantumelmélet, a statisztikus fizika filozófiai alapjai, a valószínűség és a kauzalitás metafizikája, tudományfilozófia, ismeretelmélet, modern metafizika, fizikatörténet.
(Bővebben lásd itt: http://hps.elte.hu/∼gszabo.)

Egyetemi kurzusok:
– Eötvös Loránd Tudományegyetem, Budapest (2012-2017):
Entropy, Demon and the Direction of Time: Introduction to the Thermal Philosophy
Quantum Theory and Local Causality
Philosophical Foundations of Quantum Theory
Reading seminar in the Philosophy of Spacetime
Physics and Chance, Philosophical Foundations of Statistical Physics
Reading seminar in the Philosophy of Statistical Physics
Philosophy of Quantum Mechanics
Metaphysics of Probability
– Zsigmond Király Főiskola (2005-2012):
A filozófia diszciplínái
Bevezetés a logikába
Tudományfilozófia
Reading Philosophy
Analytic Philosophy
– Budapesti Műszaki és Gazdaságtudományi Egyetem (2000-2005):
Tudományelmélet

II Publikációk

Könyvek:

1. Hofer-Szabó, G., P. Vecsernyés, *Quantum Theory and Local Causality*, Springer Brief (forthcoming) (2018).
2. Hofer-Szabó, G., L. Wronski (eds.) *Making it Formally Explicit – Probability, Causality and Indeterminism*, European Studies in the Philosophy of Science Series, Springer Verlag (2017).
3. Hofer-Szabó, G., M. Rédei, L. E. Szabó, *The Principle of the Common Cause*, Cambridge: Cambridge University Press (2013).
4. Szabó, G., *A valószínűség interpretációi*, Typotex, Budapest, (2013).

Nemzetközi publikációk:
(A magyar nyelvű publikációkat lásd itt: http://hps.elte.hu/∼gszabo.)

(2024c). Hofer-Szabó G., "Quantum mechanics without operational equivalence," European Journal for Philosophy of Science, (submitted).

(2024b). Hofer-Szabó G., "PBR, nonreality and entangled measurement," Foundations of Physics, 54, 36.

(2024a). Hofer-Szabó G., "Sequential measurements and the Kochen-Specker arguments," Journal for General Philosophy, 55, 29-42.

(2022). Hofer-Szabó G., "Two concepts of noncontextuality in quantum mechanics," Studies in History and Philosophy of Science, 93, 21-29.

(2021e). M. Gömöri, G. Hofer-Szabó, "On the meaning of EPR's reality criterion," Synthese, 199, 13441–13469.

(2021d). Hofer-Szabó G. "Causal contextuality and contextuality-by-default are different concepts," Journal of Mathematical Phychology, 104, 102590.

(2021c). Hofer-Szabó G., "Three noncontextual hidden variable models for the Peres-Mermin square," European Journal for the Philosophy of Science, 11, 30.

(2021b). P. Fazekas, B. Gyenis, G. Hofer-Szabó, G. Kertész, "A dynamical systems approach to causation," Synthese, 198, 6065-6087.

(2021a). Hofer-Szabó G., "Commutativity, comeasurability, and contextuality in the Kochen-Specker arguments," Philosophy of Science, 88, 483-510.

(2020b). Hofer-Szabó G., Placek T., Luc J., "Modality in Physics," Foundations of Physics, 50, 515-521.

(2020a). Hofer-Szabó G., "On the three types of Bell's inequality," in Orly Shenker, Meir Hemmo (eds.) Quantum, Probability, Logic: The Work and Infuence of Itamar Pitowsky, Berlin: Springer, 353-374.

(2019). Hofer-Szabó G., "Quantum mechanics as a representation of classical conditional probabilities," Journal of Mathematical Physics, 60, 062106.

(2018e). G. Hofer-Szabó, "Three levels of Bell's inequality," (in preparation).

(2018d). M. Gömöri, G. Hofer-Szabó, "Einstein's reality criterion in an operational approach," (in preparation).

(2018c). Hofer-Szabó G., "Quantum mechanics as a representation of classical conditional probabilities," (submitted).

(2018b). P. Fazekas, B. Gyenis, G. Hofer-Szabó, G. Kertész, "A dynamical systems approach to causation," (submitted).

(2018a). Hofer-Szabó G., "Bell's local causality is a d-separation criterion," Springer Proceedings in Mathematics and Statistics, (forthcoming).

(2017c). M. Gömöri, B. Gyenis, G. Hofer-Szabó, "On the coming about of macrostates," in G. Hofer-Szabó and L. Wroński (eds.) Making it Formally Explicit – Probability, Causality and Indeterminism, European Studies in the Philosophy of Science Series, Springer Verlag.

(2017b). Z. Gyenis, G. Hofer-Szabó, M. Rédei, "Conditioning using conditional expectation: the Borel-Kolmogorov paradox," Synthese 194(7), 2595-2630.

(2017a). Hofer-Szabó G., "How human and nature shake hands: the role of no-conspiracy in physical theories," Studies in the History and Philosophy of Modern Physics, 57, 89-97.

(2016b). Hofer-Szabó G., "Three principles leading to the Bell inequalities," Belgrade Philosophical Annual, 57-66.

(2016a). Hofer-Szabó G., P. Vecsernyés, "A generalized definition of Bell's local causality," Synthese, 193(10), 3195–3207.

(2015d). Hofer-Szabó G., "Local causality and complete specification: a reply to Seevinck and Uffink," in U. Mäki, I. Votsis, S. Ruphy, G. Schurz (eds.), Recent Developments in the Philosophy of Science: EPSA13 Helsinki, Springer Verlag, 209-226.

(2015c). Hofer-Szabó G., "Relating Bell's local causality to the Causal Markov Condition," Foundations of Physics. 45(9), 1110-1136.

(2015b). Hofer-Szabó G., P. Vecsernyés, "On the concept of Bell's local causality in local classical and quantum theory," Journal of Mathematical Physics, 56, 032303.

(2015a). Hofer-Szabó G., "On the relation between the probabilistic characterization of the common cause and Bell's notion of local causality," Studies in the History and Philosophy of Modern Physics, 49, 32-41.

(2014b). Hofer-Szabó G., "Noncommutative causality in algebraic quantum field theory," in M. C. Galavotti, D. Dieks, W. J. Gonzalez, S. Hartmann, Th. Uebel, M. Weber (eds.), The Philosophy of Science in a European Perspective, Vol. 5., 543-554.

(2014a). Hofer-Szabó G., "EPR correlations, Bell inequalities and common cause systems," in D. Aerts, S. Aerts and C. de Ronde (eds.), Probing the Meaning of Quantum Mechanics: Physical, Philosophical and Logical Perspectives, 263-277.

(2013b). Hofer-Szabó G., P. Vecsernyés, "Bell inequality and common causal explanation in algebraic quantum field theory," Studies in the History and Philosophy of Modern Physics, 44, 404–416.

(2013a). Hofer-Szabó G., P. Vecsernyés, "Noncommutative Common Cause Principles in algebraic quantum field theory," Journal of Mathematical Physics, 54, 042301.

(2012c). Hofer-Szabó G., P. Vecsernyés, "Noncommutative local common causes for correlations violating the Clauser-Horne inequality," Journal of Mathematical Physics, 53, 122301.

(2012b). Hofer-Szabó G., P. Vecsernyés, "Reichenbach's common cause principle in algebraic quantum field theory with locally finite degrees of freedom," Foundations of Physics, 42, 241-255.

(2012a). Hofer-Szabó G., "Separate common causal explanation and the Bell inequalities," International Journal of Theoretical Physics, 51, 110-123.

(2011). Hofer-Szabó G., "Bell(δ) inequalities derived from separate common causal explanation of almost perfect EPR anticorrelations," Foundations of Physics, 41, 1398-1413.

(2008). Hofer-Szabó G., "Separate- versus common-common-cause-type derivations of the Bell inequalities," Synthese, 163/2, 199-215.

(2006c). Hofer-Szabó G., M. Rédei, I. San Pedro, "Challenging a recent minimal assumption derivation of a Bell-type inequality," (manuscript).

(2006b). Hofer-Szabó G., "Exchangeability and conditionally identical common cause systems," International Journal of Theoretical Physics, 45, 1308-1322.

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