

Hans Peter Halvorson
Professor
Institut for Naturfagenes Didaktik
Postadresse:
Jagtvej 155A
2200
København N
E-mail: hans.halvorson@ind.ku.dk
Telefon: +4535320261
Hjemmeside: <https://www.ind.ku.dk>



Ansættelse

Professor

Institut for Naturfagenes Didaktik
Københavns Universitet
København N., Danmark
1 jul. 2021 → nu

Publikationer

Book review: On Theories: Logical Empiricism and the Methodology of Modern Physics, by William Demopoulos
Halvorson, Hans, 2023, (E-pub ahead of print) I: Mind.

John Bell on 'Subject and Object': An Exchange

Halvorson, Hans & Butterfield, J., 2023, I: Journal for General Philosophy of Science. 54, s. 305–324

Mutual translatability, equivalence, and the structure of theories

Barrett, T. W. & Halvorson, Hans, 2022, I: Synthese. 200, 3, 36 s., 240.

Objective description in physics

Halvorson, Hans, 2022, *Logic, Methodology and Philosophy of Science and Technology: Bridging Across Academic Cultures: Proceedings of the Sixteenth International Congress in Prague*. Marvan, T., Andersen, H., Chang, H., Löwe, B. & Pezlar, I. (red.). College Publications, s. 111-132

John Bell on 'Subject and Object': an Exchange

Halvorson, Hans & Butterfield, J., 2 jun. 2021.

Steven French: There Are No Such Things as Theories

Halvorson, Hans, 2021, I: Journal for General Philosophy of Science. 52, 4, s. 609-612 4 s.

Niels Bohr Forvansket

Halvorson, Hans, 4 jun. 2020, I: Weekendavisen. 1 s.

How Logic Works: A User's Guide

Halvorson, Hans, 2020, 1 udg. Princeton University Press. 256 s.

The Logic in Philosophy of Science

Halvorson, Hans, 2019, Cambridge University Press. 296 s.

To Be a Realist about Quantum Theory

Halvorson, Hans, 2019, *Quantum Worlds: Perspectives on the Ontology of Quantum Mechanics*. Lombardi, O., Fortin, S., López, C. & Holik, F. (red.). Cambridge University Press, s. 133-163

FOUNDATIONS AND PHILOSOPHY

Tsementzis, D. & Halvorson, Hans, maj 2018, I: *Philosophers Imprint*. 18, 10, s. 1-15

Foundations and philosophy

Tsementzis, D. & Halvorson, Hans, maj 2018, I: *Philosophers Imprint*. 18, 10

A theological critique of the fine-tuning argument

Halvorson, Hans, 2018, *Knowledge, Belief, and God: New Insights in Religious Epistemology*. Benton, M. A., Hawthorne, J. & Rabinowitz, D. (red.). Oxford University Press, s. 122-135

Categories of scientific theories

Halvorson, Hans & Tsementzis, D., 2018, *Categories for the Working Philosopher*. Landry, E. (red.). Oxford University Press, s. 402-429

It Keeps Me Seeking: The Invitation from Science, Philosophy and Religion: The Invitation from Science, Philosophy and Religion

Briggs, A., Halvorson, Hans & Steane, A., 2018, Oxford University Press.

Preface

Ozawa, M., Butterfield, J., Halvorson, Hans, Rédei, M., Kitajima, Y. & Buscemi, F., 2018, I: *Springer Proceedings in Mathematics and Statistics*. 261, s. v-vi

From Geometry to Conceptual Relativity

Barrett, T. W. & Halvorson, Hans, 2017, I: *Erkenntnis: An International Journal of Scientific Philosophy*. 82, s. 1043-1063

Quine's conjecture on many-sorted logic

Barrett, T. W. & Halvorson, Hans, 2017, I: *Synthese*. 194, s. 3563-3582

Glymour and Quine on Theoretical Equivalence

Barrett, T. W. & Halvorson, Hans, 2016, I: *Journal of Philosophical Logic*. 45, s. 467-483

MORITA EQUIVALENCE

Barrett, T. W. & Halvorson, Hans, 2016, I: *Review of Symbolic Logic*. 9, 3, s. 556-582

Why Methodological Naturalism?

Halvorson, Hans, 2016, *The Blackwell Companion to Naturalism*. Clark, K. J. (red.). Wiley-Blackwell, s. 136-149 (Blackwell companions to philosophy, Bind 62).

The Conventionality of Parastatistics

Baker, D. J., Halvorson, Hans & Swanson, N., 2015, I: *British Journal for the Philosophy of Science*. 66, 4, s. 929-976

How is spontaneous symmetry breaking possible? Understanding Wigner's theorem in light of unitary inequivalence

Baker, D. J. & Halvorson, Hans, 2013, I: *Studies in history and philosophy of modern physics*. 44, 4, s. 464-469

PLANTINGA ON PROVIDENCE AND PHYSICS

Halvorson, Hans, 2013, I: *European Journal for Philosophy of Religion*. 5, 3, s. 19-30

The Semantic View, If Plausible, Is Syntactic

Halvorson, Hans, 2013, I: *Philosophy of Science*. 80, 3, s. 475-478

Physical Cosmology

Halvorson, Hans & Kragh, H., 2012, *The Routledge Companion to Theism*. Taliaferro, C., Harrison, V. S. & Goetz, S. (red.). Routledge, s. 241-255

What Scientific Theories Could Not Be

Halvorson, Hans, 2012, I: *Philosophy of Science*. 79, 2, s. 183-206

Introduction

Halvorson, Hans, 1 jan. 2011, *Deep Beauty: Understanding the Quantum World Through Mathematical Innovation*. Cambridge University Press (cup), s. 1-10 10 s.

Deep Beauty: Understanding the Quantum World Through Mathematical Innovation

Halvorson, Hans (red.), 2011, Cambridge University Press. 472 s.

Preface

Halvorson, Hans, 2011, *Deep Beauty: Understanding the Quantum World Through Mathematical Innovation*. Cambridge University Press, s. xi-xii

Antimatter

Baker, D. J. & Halvorson, Hans, 2010, I: *British Journal for the Philosophy of Science*. 61, 1, s. 93-121

Algebraic Quantum Field Theory

Halvorson, Hans, 2007, *Philosophy of Physics*. Elsevier, s. 731-864 134 s.

Algebraic quantum field theory

Halvorson, Hans, 1 jan. 2006, *Philosophy of Physics*. Elsevier, s. 731-864 134 s.

Comments on Clouser's Claims for Theistic Science

Halvorson, Hans, 2006, I: *PERSPECTIVES ON SCIENCE AND CHRISTIAN FAITH*. 58, 1, s. 18-19

Can quantum cryptography imply quantum mechanics? Reply to Smolin

Halvorson, Hans & Bub, J., 2005, I: *Quantum Information and Computation*. 5, 2, s. 170-175

Complementarity of representations in quantum mechanics

Halvorson, Hans, mar. 2004, I: *Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics*. 35, 1, s. 45-56

On information-theoretic characterizations of physical theories

Halvorson, Hans, 2004, I: *Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics*. 35, 2, s. 277-293

Remote preparation of arbitrary ensembles and quantum bit commitment

Halvorson, Hans, 2004, I: *Journal of Mathematical Physics*. 45, 12, s. 4920-4931

Characterizing quantum theory in terms of information-theoretic constraints

Clifton, R., Bub, J. & Halvorson, Hans, 2003, I: *Foundations of Physics*. 33, 11, s. 1561-1591

No place for particles in relativistic quantum theories?

Halvorson, Hans & Clifton, R., 2002, I: *Philosophy of Science*. 69, 1, s. 1-28

Are rindler quanta real? Inequivalent particle concepts in quantum field theory

Clifton, R. & Halvorson, Hans, 2001, I: *British Journal for the Philosophy of Science*. 52, 3, s. 417-470

Entanglement and open systems in algebraic quantum field theory

Clifton, R. & Halvorson, Hans, 2001, I: *Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics*. 32, 1, s. 1-31

On the nature of continuous physical quantities in classical and quantum mechanics

Halvorson, Hans, 2001, I: Journal of Philosophical Logic. 30, 1, s. 27-50

Reeh-Schlieder defeats Newton-Wigner: On alternative localization schemes in relativistic quantum field theory

Halvorson, Hans, 2001, I: Philosophy of Science. 68, 1, s. 111-133

The Einstein-Podolsky-Rosen state maximally violates Bell's inequalities

Halvorson, Hans, sep. 2000, I: Letters in Mathematical Physics. 53, 4, s. 321-329

Nonlocal correlations are generic in infinite-dimensional bipartite systems

Clifton, R., Halvorson, Hans & Kent, A., apr. 2000, I: Physical Review A - Atomic, Molecular, and Optical Physics. 61, 4, s. 421011-421017 7 s., 042101.

Bipartite-mixed-states of infinite-dimensional systems are generically nonseparable

Clifton, R. & Halvorson, Hans, jan. 2000, I: Physical Review A - Atomic, Molecular, and Optical Physics. 61, 1, s. 12108-1-12108-5 012108.

Bipartite-mixed-states of infinite-dimensional systems are generically nonseparable

Clifton, R. & Halvorson, Hans, 2000, I: Physical Review A - Atomic, Molecular, and Optical Physics. 61, 1, s. 5 1 s.

Generic Bell correlation between arbitrary local algebras in quantum field theory

Halvorson, Hans & Clifton, R., 2000, I: Journal of Mathematical Physics. 41, 4, s. 1711-1717

Nonlocal correlations are generic in infinite-dimensional bipartite systems

Clifton, R., Halvorson, Hans & Kent, A., 2000, I: Physical Review A - Atomic, Molecular, and Optical Physics. 61, 4, 7 s., 042101.

Maximal beable subalgebras of quantum mechanical observables

Halvorson, Hans & Clifton, R., 1999, I: International Journal of Theoretical Physics. 38, 10, s. 2441-2484

Superentangled states

Clifton, R., Feldman, D. V., Halvorson, Hans, Redhead, M. L. G. & Wilce, A., 1998, I: Physical Review A - Atomic, Molecular, and Optical Physics. 58, 1, s. 135-145