

Lista publikacji

Norbert Bodendorfer

Prace oryginalne – artykuły w czasopismach

- [1] N. Bodendorfer, J. Lewandowski, and J. Swieczewski, “General Relativity in the radial gauge I. Reduced phase space and canonical structure,” zaakceptowane do druku w *Physical Review D*, arXiv:1506.09164 [gr-qc].
- [2] N. Bodendorfer, “A quantum reduction to Bianchi I models in loop quantum gravity,” *Physical Review D*, **91** (2015) 081502(R), arXiv:1410.5608 [gr-qc].
- [3] N. Bodendorfer, J. Lewandowski, and J. Swieczewski, “A quantum reduction to spherical symmetry in loop quantum gravity,” *Physics Letters B* **747** (2015) 18-21, arXiv:1410.5609 [gr-qc].
- [4] N. Bodendorfer and Y. Neiman, “The Wald entropy formula and loop quantum gravity,” *Physical Review D*, **90** (2014) 084054, arXiv:1304.3025 [gr-qc].
- [5] N. Bodendorfer, “A note on entanglement entropy and quantum geometry,” *Classical and Quantum Gravity* **31** (2014) 214004, arXiv:1402.1038 [gr-qc].
- [6] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum gravity in all dimensions: V. Isolated horizon boundary degrees of freedom,” *Classical and Quantum Gravity* **31** (2014) 055002, arXiv:1304.2679 [gr-qc].
- [7] N. Bodendorfer, “Black hole entropy from loop quantum gravity in higher dimensions,” *Physics Letters B* **726** (2013) 887-891, arXiv:1307.5029 [gr-qc].
- [8] N. Bodendorfer and Y. Neiman, “Imaginary action, spinfoam asymptotics and the ‘transplanckian’ regime of loop quantum gravity,” *Classical and Quantum Gravity* **30** (2013) 195018, arXiv:1303.4752 [gr-qc].
- [9] N. Bodendorfer, A. Stottmeister, and A. Thurn, “Loop quantum gravity without the Hamiltonian constraint,” *Classical and Quantum Gravity* **30** (2013) 082001, Erratum-ibid. **30** (2013) 119501, arXiv:1203.6525 [gr-qc].
- [10] N. Bodendorfer, A. Stottmeister, and A. Thurn, “On a partially reduced phase space quantization of general relativity conformally coupled to a scalar field,” *Classical and Quantum Gravity* **30** (2013) 115017, arXiv:1203.6526 [gr-qc].
- [11] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum gravity in all dimensions: I. Hamiltonian analysis,” *Classical and Quantum Gravity* **30** (2013) 045001, arXiv:1105.3703 [gr-qc].
- [12] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum gravity in all dimensions: II. Lagrangian analysis,” *Classical and Quantum Gravity* **30** (2013) 045002, arXiv:1105.3704 [gr-qc].
- [13] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum gravity in all dimensions: III. Quantum theory,” *Classical and Quantum Gravity* **30** (2013) 045003, arXiv:1105.3705 [gr-qc].

- [14] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum gravity in all dimensions: IV. Matter coupling,” *Classical and Quantum Gravity* **30** (2013) 045004, [arXiv:1105.3706 \[gr-qc\]](https://arxiv.org/abs/1105.3706).
- [15] N. Bodendorfer, T. Thiemann, and A. Thurn, “On the implementation of the canonical quantum simplicity constraint,” *Classical and Quantum Gravity* **30** (2013) 045005, [arXiv:1105.3708 \[gr-qc\]](https://arxiv.org/abs/1105.3708).
- [16] N. Bodendorfer, T. Thiemann, and A. Thurn, “Towards loop quantum supergravity (LQSG): I. Rarita-Schwinger sector,” *Classical and Quantum Gravity* **30** (2013) 045006, [arXiv:1105.3709 \[gr-qc\]](https://arxiv.org/abs/1105.3709).
- [17] N. Bodendorfer, T. Thiemann, and A. Thurn, “Towards loop quantum supergravity (LQSG): II. p -form sector,” *Classical and Quantum Gravity* **30** (2013) 045007, [arXiv:1105.3710 \[gr-qc\]](https://arxiv.org/abs/1105.3710).
- [18] N. Bodendorfer, T. Thiemann, and A. Thurn, “Towards Loop Quantum Supergravity (LQSG),” *Physics Letters B* **711** (2012) 205–211, [arXiv:1106.1103 \[gr-qc\]](https://arxiv.org/abs/1106.1103).

Inne – Pre-printy / prace w przygotowaniu

- [19] N. Bodendorfer, T. Thiemann, and A. Thurn, “New variables for classical and quantum (super)-gravity in all dimensions,” *PoS QGQGS2011* (2011), no. 022.
- [20] N. Bodendorfer “A note on quantum supergravity and AdS/CFT,” [arXiv:1509.02036 \[gr-qc\]](https://arxiv.org/abs/1509.02036).
- [21] N. Bodendorfer, P. Duch, J. Lewandowski, and J. Swieczewski, “The observable algebra in Gaußian normal spacetime coordinates,” [arXiv:1510.04154 \[gr-qc\]](https://arxiv.org/abs/1510.04154).
- [22] N. Bodendorfer, A. Zipfel, “On the relation between reduced quantisation and quantum reduction for spherical symmetry in loop quantum gravity,” (w przygotowaniu)
- [23] N. Bodendorfer, J. Lewandowski, and J. Swieczewski, “Loop quantum gravity in the radial gauge II. Quantisation and spherical symmetry,” (w przygotowaniu)
- [24] N. Bodendorfer “A note on asymptotically anti-de Sitter quantum spacetimes in loop quantum gravity,” (w przygotowaniu)