

List of Publications

Dr. Alexander Schenkel

Preprints

- [P-5] A. Schenkel and B. Vicedo,
“5d 2-Chern-Simons theory and 3d integrable field theories,”
arXiv:2405.08083 [hep-th].
- [P-4] M. Benini, A. Grant-Stuart and A. Schenkel,
“Haag-Kastler stacks,”
arXiv:2404.14510 [math-ph].
- [P-3] M. Benini, A. Grant-Stuart, G. Musante and A. Schenkel,
“Obstructions to the existence of Møller maps,”
arXiv:2311.00070 [math-ph].
- [P-2] S. Bunk, J. MacManus and A. Schenkel,
“Lorentzian bordisms in algebraic quantum field theory,”
arXiv:2308.01026 [math-ph].
- [P-1] S. Bruinsma, A. Schenkel and B. Vicedo,
“Universal first-order Massey product of a prefactorization algebra,”
arXiv:2307.04856 [math-ph].
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Articles in peer reviewed journals

- [J-55] M. Benini, A. Grant-Stuart and A. Schenkel,
“The linear CS/WZW bulk/boundary system in AQFT,”
Annales Henri Poincaré **25**, 2251–2294 (2024) [arXiv:2302.06990 [math-ph]].
- [J-54] M. Benini, G. Musante and A. Schenkel,
“Quantization of Lorentzian free BV theories: factorization algebra vs algebraic quantum field theory,”
Lett. Math. Phys. **114**, 36 (2024) [arXiv:2212.02546 [math-ph]].
- [J-53] M. Benini, V. Carmona and A. Schenkel,
“Strictification theorems for the homotopy time-slice axiom,”
Lett. Math. Phys. **113**, 20 (2023) [arXiv:2208.04344 [math-ph]].
- [J-52] M. Benini, G. Musante and A. Schenkel,
“Green hyperbolic complexes on Lorentzian manifolds,”
Commun. Math. Phys. **403**, 699–744 (2023) [arXiv:2207.04069 [math-ph]].
- [J-51] J. Gaunt, H. Nguyen and A. Schenkel,
“BV quantization of dynamical fuzzy spectral triples,”
J. Phys. A **55**, 474004 (2022) [arXiv:2203.04817 [hep-th]].
- [J-50] M. Benini, J. P. Pridham and A. Schenkel,
“Quantization of derived cotangent stacks and gauge theory on directed graphs,”
to appear in Advances in Theoretical and Mathematical Physics [arXiv:2201.10225 [math-ph]].

- [J-49] M. Benini, L. Giorgetti and A. Schenkel,
 “A skeletal model for 2d conformal AQFTs,”
 Commun. Math. Phys. **395**, 269–298 (2022) [arXiv:2111.01837 [math-ph]].
- [J-48] S. Bruinsma, C. J. Fewster and A. Schenkel,
 “Relative Cauchy evolution for linear homotopy AQFTs,”
 Commun. Math. Phys. **392**, no. 2, 621–657 (2022) [arXiv:2108.10592 [math-ph]].
- [J-47] H. Nguyen, A. Schenkel and R. J. Szabo,
 “Batalin-Vilkovisky quantization of fuzzy field theories,”
 Lett. Math. Phys. **111**, 149 (2021) [arXiv:2107.02532 [hep-th]].
- [J-46] M. Benini, P. Safronov and A. Schenkel,
 “Classical BV formalism for group actions,”
 Commun. Contemp. Math. **25**(1), 2150094 (2023) [arXiv:2104.14886 [math-ph]].
- [J-45] M. Benini, M. Perin and A. Schenkel,
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 Annales Henri Poincaré **23**, 2069–2111 (2022) [arXiv:2010.13808 [math-ph]].
- [J-44] M. Benini, A. Schenkel and B. Vicedo,
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- [J-43] H. Nguyen and A. Schenkel,
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 J. Geom. Phys. **158**, 103917 (2020) [arXiv:2004.07272 [math.QA]].
- [J-42] M. Benini, M. Perin, A. Schenkel and L. Woike,
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 Lett. Math. Phys. **111**, 35 (2021) [arXiv:2003.13713 [math-ph]].
- [J-41] P. Mathieu, L. Murray, A. Schenkel and N. J. Teh,
 “Homological perspective on edge modes in linear Yang-Mills and Chern-Simons theory,”
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 Commun. Math. Phys. **378**, 185–218 (2020) [arXiv:1906.00999 [math-ph]].
- [J-39] M. Benini, M. Perin and A. Schenkel,
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- [J-36] M. Benini, A. Schenkel and L. Woike,
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- [J-35] M. Benini, A. Schenkel and L. Woike,
 “Involutive categories, colored $*$ -operads and quantum field theory,”
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- [J-34] M. Benini, C. Dappiaggi and A. Schenkel,
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- [J-32] M. Benini, A. Schenkel and U. Schreiber,
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- [J-29] A. Schenkel and J. Zahn,
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 “Cheeger-Simons differential characters with compact support and Pontryagin duality,”
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- [J-20] T. -P. Hack, F. Hanisch and A. Schenkel,
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- [J-2] T. Ohl and A. Schenkel,
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- [J-1] T. Ohl and A. Schenkel,
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 and Black Holes,”
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Conference/workshop proceedings and book chapters

- [C-9] M. Benini and A. Schenkel,
 “Operads, homotopy theory and higher categories in algebraic quantum field theory,”
 arXiv:2305.03372 [math-ph].
- [C-8] M. Benini and A. Schenkel,
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- [C-7] A. Schenkel,
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PhD thesis

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