

LIST OF PUBLICATIONS

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1. THESES

- A. S. Cattaneo, *Studio delle proprietà di localizzazione su catene quasi-periodiche mediante gruppo di rinormalizzazione nello spazio reale*, “Laurea” Thesis, Milan University, 1991, 116 pages. (Advisor: Prof. L. Girardello): <http://www.math.uzh.ch/cattaneo/tesil.pdf>
- A. S. Cattaneo, *Teorie topologiche di tipo BF ed invarianti dei nodi*, Ph. D. Thesis, Milan University, 1995, 113 pages. (Advisor: Prof. M. Martellini): <http://www.math.uzh.ch/cattaneo/tesi.ps>

2. PAPERS

- (1) F. Belgiorno, A. S. Cattaneo, F. Fucito and M. Martellini, “Quantum models of black hole evaporation,” in *International Workshop on String Theory, Quantum Gravity and the Unification of Fundamental Interactions* (World Scientific Publishing Co. Pte. Ltd., Singapore, 1993), pp. 19–27.
- (2) F. Belgiorno, A. S. Cattaneo, F. Fucito and M. Martellini, “A conformal affine Toda model of 2d black holes: A quantum study of the evaporation end point,” *Mod. Phys. Lett.* **A 8**, 2593–2605 (1993).
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- (7) F. Belgiorno and A. S. Cattaneo, “Black holes and cosmological constant in bosonic string theory: Some remarks,” *Int. J. Mod. Phys.* **A 10**, 527–539 (1995).

- (8) A. S. Cattaneo, P. Cotta-Ramusino and M. Martellini, “Three-dimensional BF theories and the Alexander–Conway invariant of knots,” Nucl. Phys. **B 346**, 355–382 (1995).
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- (10) A. S. Cattaneo, P. Cotta-Ramusino, A. Gamba and M. Martellini, “The Donaldson–Witten invariants in pure 4D-QCD with order and disorder ’t Hooft-like operators,” Phys. Lett. **B 355**, 245–254 (1995).
- (11) A. S. Cattaneo, “Cabled Wilson loops in BF theories,” J. Math. Phys. **37**, 3684–3703 (1996).
- (12) A. S. Cattaneo, “Abelian BF theories and knot invariants,” Commun. Math. Phys. **189**, 795–828 (1997).
- (13) A. S. Cattaneo, P. Cotta-Ramusino and M. Rinaldi, “BRST symmetries for the tangent gauge group,” J. Math. Phys. **39**, 1316–1339 (1998).
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- (40) A. S. Cattaneo and M. Zambon, “Pre-Poisson submanifolds,” *Travaux mathématiques* **17**, 61–74 (2007).
- (41) A. S. Cattaneo, “Deformation quantization and reduction,” *Cont. Math.* **450**, 79–101 (2008).
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4. LECTURE NOTES

- (49) A. S. Cattaneo and D. Indelicato, “Formality and Star Products,” in *Poisson Geometry, Deformation Quantisation and Group Representations*, (ed. S. Gutt, J. Rawnsley, D. Sternheimer), London Mathematical Society Lecture Note Series **323**, 79–144 (Cambridge University Press, 2005).

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6. BOOKS (AS EDITOR)

- (51) A. S. Cattaneo, G. Dito, M. Kontsevich and D. Sternheimer (guest editors), *Special Issue on Deformation Quantization*, in *SIGMA* **4** (2008) and **5** (2009), <http://www.emis.de/journals/SIGMA/>

- (52) A. Alekseev, A. S. Cattaneo, Y. Kosmann-Schwarzbach and T. S. Ratiu (guest editors), *Special Volume on Poisson Geometry*, Lett. Math. Phys. **90**, Nos. 1–3, (2009).

7. PREPRINTS

- (53) A. S. Cattaneo, B. Dherin and G. Felder, “Formal Lagrangian operad,” 29 pages, math.SG/0505051.
- (54) A. S. Cattaneo, B. Dherin and A. Weinstein, “Cotangent microbundle category, I,” 33 pages, math-ph/0712.1385
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- (58) A. S. Cattaneo, J. Qiu and M. Zabzine, “2D and 3D topological field theories for generalized complex geometry,” 28 pages, hep-th/0911.0993
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- (61) A. S. Cattaneo, “On the BV formalism,” 21 pages, 1996, http://www.math.uzh.ch/reports/07_05.pdf
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