

C. Wetterich

List of Publications 2005-2010

- 197) J.-M. Schwindt, C. Wetterich : Dark energy cosmologies for codimension-two branes, hep-th/0501049, Nucl. Phys. **B726** (2005) 75-92
- 198) S. Diehl, C. Wetterich: Universality in phase transitions for ultracold fermionic atoms, cond-mat/0502534 , Phys. Rev. **A73** (2006) 033615
- 199) C. Wetterich: Chiral freedom and the scale of weak interactions, hep-ph/0503164, Mod. Phys. Lett. **A23** (2008) 677-684
- 200) J. Berges, S. Borsanyi, C. Wetterich: Isotropization far from equilibrium, hep-ph/0505182, Nucl. Phys. **B727** (2005) 244
- 201) M. Bartelmann, M. Doran, C. Wetterich: Nonlinear structure formation in cosmologies with early dark energy, astro-ph/0507257, A & A **454** (2006) 27-36
- 202) M. Doran, K. Karwan, C. Wetterich: Observational constraints on the dark energy evolution, astro-ph/0508132; JCAP 0511:007 (2005)
- 203) J.-M. Schwindt, C. Wetterich: The cosmological constant problem in codimension – two brane models, hep-th/0508065, Phys. Lett. **B628** (2005) 189-196
- 204) C. Wetterich: Quantization of chiral antisymmetric tensor fields, hep-th/0509210, Int. J. Mod. Phys. **A23**, (2008) 1545-1579
- 205) S. Diehl, C. Wetterich: Functional integral for ultracold fermionic atoms, cond-mat/0510407, Nucl. Phys. **B770** [FS] (2007) 206-272
- 206) C. Wetterich: Chiral freedom and electroweak symmetry breaking, hep-ph/0607051, Phys. Rev. **D74** (2006) 095009
- 207) H. Gies, J. Jaeckel, J. Pawłowski, C. Wetterich: Do instantons like a colorful background?, hep-ph/0608171, Eur. Phys. J. **C49** (2007) 997-1010
- 208) H.C. Krahł, C. Wetterich: Functional renormalization group for d-wave superconductivity in Hubbard type models, cond-mat/0608667, Phys. Lett. **A367** (2007) 263-267
- 209) M. Doran, G. Robbers, C. Wetterich: Dynamical Dark Energy after WMAP 3-year, astro-ph/0609814, Phys. Rev. **D75** (2007) 023033

- 210) S. Diehl, H. Gies, J. Pawłowski, C. Wetterich: Flow Equations for the BCS-BEC Crossover, *cond-mat/0701198*, *Phys. Rev.* **A76** (2007) 021602(R)
- 211) S. Diehl, H. Gies, J. Pawłowski, C. Wetterich: Renormalization flow and universality for ultracold atoms, *cond-mat/0703366*, *Phys. Rev.* **A76** (2007) 053627
- 212) T. Dent, S. Stern, C. Wetterich: Primordial nucleosynthesis as a probe of fundamental physics parameters, *arXiv: 0705.0696 [astro-ph]*, *Phys. Rev.* **D76** (2007) 063513
- 213) C. Wetterich: Functional renormalization for quantum phase transitions, *arXiv: 0705.1661 [cond-mat]*, *Phys. Rev.* **B77** (2008) 064504
- 214) D. Amendola, M. Baldi, C. Wetterich: Quintessence cosmologies with a growing matter component, *arXiv: 0706.3064 [astro-ph]*, *Phys. Rev.* **D78** (2008) 023015
- 215) C. Wetterich: Growing neutrinos and cosmological selection, *arXiv: 0706.4427 [hep-ph]*, *Phys. Lett.* **B655** (2007) 201-208
- 216) C. Wetterich: Light fermion masses and chiral freedom, *arXiv: 0709.1102 [hep-ph]*
- 217) N. Brouzakis, N. Tetradis, C. Wetterich : Neutrino lumps in quintessence cosmology, *arXiv : 0711.2226 [astro-ph]*, *Phys. Lett.* **B665** (2008) 131-134
- 218) C. Wetterich: Occupation numbers from functional integral, *arXiv:0712.1926 [cond-mat]*, *Nucl. Phys.* **B802** (2008) 368-404
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- 220) H.-C. Krah, J.A. Mueller, C. Wetterich: Generation of d-wave coupling in the two-dimensional Hubbard model from functional renormalization, *arXiv: 0801.1773, [cond-mat]*, *Phys. Rev.* **B79** (2009) 094526
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- 225) C. Wetterich: Constraints for warped branes, *arXiv: 0805.2024 [hep-th]*, *Phys. Rev.* **D78** (2008) 043503

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- 230) S. Floerchinger, R. Schmidt, S. Moroz, C. Wetterich: Functional renormalization for trion formation in ultracold fermion gases, arXiv: 0809.1675 [cond-mat. supr-con], Phys. Rev. **A79** (2009) 013603
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- 232) T. Dent, S. Stern, C. Wetterich: Time variation of fundamental couplings and dynamical dark energy, arXiv: 0809.4628 [hep-th], JCAP **01** (2009) 038
- 233) C. Wetterich: Probabilistic observables, conditional correlations and quantum mechanics, arXiv: 0810.0985 [quant-ph], Ann. Phys. (Berlin) **522** (2010) 467
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- 242) S. Floerchinger, C. Wetterich: Exact flow equation for composite operators, arXiv: 0905.0915 [hep-th], Phys. Lett. **B680** (2009) 371
- 243) Y. Ayaita, M. Weber, C. Wetterich: Too few spots in the Cosmic Microwave Background, arXiv: 0905.3324 [astro-ph.CO] Phys. Rev. **D81** (2010) 023507
- 244) C. Wetterich: Quantum mechanics from classical statistics, arXiv: 0906.4919 [quant-ph], Annals of Phys. **325** (2010) 852
- 245) S. Diehl, S. Floerchinger, H. Gies, J. Pawłowski, C. Wetterich: Functional renormalization group approach to the BCS-BEC crossover, arXiv: 0907.2193 [cond-mat.quant-gas] Ann. Phys. (Berlin) **522** (2010) 615
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- 248) C. Wetterich: The cosmological constant and higher dimensional dilatation symmetry, arXiv: 0911.1063 [hep-ph] , Phys. Rev. **D81** (2010) 103507
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