

# Publication List

*Fernando Quevedo*

April 2021

1. **“RG-Induced Modulus Stabilization: Perturbative de Sitter Vacua and Improved D3- $\overline{\text{D3}}$  Inflation,”**  
C. P. Burgess and F. Quevedo,  
arXiv:2111.07286 [hep-th].
2. **“Density Perturbations and Primordial Non-Gaussianities in a Closed Universe,”**  
S. Cespedes, S. de Alwis, F. Muia and F. Quevedo,  
[arXiv:2112.11650 [hep-th]].
3. **“Yoga Dark Energy: Natural Relaxation and Other Dark Implications of a Supersymmetric Gravity Sector,”**  
C. P. Burgess, D. Dineen and F. Quevedo,  
[arXiv:2111.07286 [hep-th]].
4. **“Who’s Afraid of the Supersymmetric Dark? The Standard Model vs Low-Energy Supergravity,”**  
C. P. Burgess and F. Quevedo,  
[arXiv:2110.13275 [hep-th]].
5. **“EuCAPT White Paper: Opportunities and Challenges for Theoretical Astroparticle Physics in the Next Decade,”**  
R. Alves Batista, M. A. Amin, G. Barenboim, N. Bartolo, D. Baumann, A. Bauswein, E. Bellini, D. Benisty, G. Bertone and P. Blasi, *et al.*  
[arXiv:2110.10074 [astro-ph.HE]].
6. **“Axion Homeopathy: Screening Dilaton Interactions,”**  
C. P. Burgess and F. Quevedo,  
[arXiv:2110.10352 [hep-th]].
7. **“The Standard Model quiver in de Sitter string compactifications,”**  
M. Cicoli, I. G. Etzbarria, F. Quevedo, A. Schachner, P. Shukla and R. Valandro,  
JHEP **08** (2021), 109  
doi:10.1007/JHEP08(2021)109  
[arXiv:2106.11964 [hep-th]].
8. **“Systematics of the  $\alpha'$  expansion in F-theory,”**  
M. Cicoli, F. Quevedo, R. Savelli, A. Schachner and R. Valandro,  
JHEP **08** (2021), 099 doi:10.1007/JHEP08(2021)099  
[arXiv:2106.04592 [hep-th]].
9. **“Lorentzian Vacuum Transitions: Open or Closed Universes?,”**  
S. Céspedes, S. P. de Alwis, F. Muia and F. Quevedo,  
[arXiv:2011.13936 [hep-th]].
10. **“Challenges and Opportunities of Gravitational Wave Searches at MHz to GHz Frequencies,”**  
N. Aggarwal, O. D. Aguiar, A. Bauswein, G. Cella, S. Clesse, A. M. Cruise, V. Domcke, D. G. Figueroa, A. Geraci and M. Goryachev, *et al.* (corresponding author)  
Living Rev. Rel. **24** (2021) no.1, 4 doi:10.1007/s41114-021-00032-5  
[arXiv:2011.12414 [gr-qc]].

11. **“Cosmological Trans-Planckian Conjectures are not Effective,”**  
C. P. Burgess, S. P. de Alwis and F. Quevedo,  
JCAP **05** (2021), 037 doi:10.1088/1475-7516/2021/05/037  
[arXiv:2011.03069 [hep-th]].
12. **“On de Sitter String Vacua from Anti-D3-Branes in the Large Volume Scenario,”**  
C. Crinò, F. Quevedo and R. Valandro,  
JHEP **03** (2021), 258  
doi:10.1007/JHEP03(2021)258  
[arXiv:2010.15903 [hep-th]].
13. **“UV Shadows in EFTs: Accidental Symmetries, Robustness and No-Scale Supergravity,”**  
C.P. Burgess, M. Cicoli, S. Krippendorff, F. Quevedo  
Fortsch. Phys. **68** (2020) no.10, 2000076  
doi:10.1002/prop.202000076  
[arXiv:2006.06694 [hep-th]].
14. **“A Systematic Approach to Kähler Moduli Stabilisation,”**  
S. AbdusSalam, S. Abel, M. Cicoli, F. Quevedo and P. Shukla,  
JHEP **08** (2020) no.08, 047  
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15. **“Joseph Polchinski: A Biographical Memoir,”**  
R. Bousso, F. Quevedo and S. Weinberg,  
[arXiv:2002.02371 [physics.hist-ph]].
16. **“Quantum Transitions Between Minkowski and de Sitter Spacetimes,”**  
S. P. De Alwis, F. Muia, V. Pasquarella and F. Quevedo,  
Fortsch. Phys. **68** (2020) no.9, 2000069  
doi:10.1002/prop.202000069  
[arXiv:1909.01975 [hep-th]].
17. **“The Fate of Dense Scalar Stars,”**  
F. Muia, M. Cicoli, K. Clough, F. Pedro, F. Quevedo and G. P. Vacca,  
JCAP **07** (2019), 044  
doi:10.1088/1475-7516/2019/07/044  
[arXiv:1906.09346 [gr-qc]].
18. **“Putting the Boot into the Swampland,”**  
J. P. Conlon and F. Quevedo,  
JHEP **03** (2019), 005  
doi:10.1007/JHEP03(2019)005  
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19. **“De Sitter vs Quintessence in String Theory”**  
M. Cicoli, S. de Alwis, A. Maharana, F. Muia and F. Quevedo.  
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20. **“Moduli Stars”**  
S. Krippendorff, F. Muia and F. Quevedo.  
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DOI:10.1007/JHEP08(2018)070  
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21. **“Oscillons from String Moduli”**  
S. Antusch, F. Cefala, S. Krippendorff, F. Muia, S. Orani and F. Quevedo.  
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22. **“Global Orientifolded Quivers with Inflation”**  
M. Cicoli, I. Garcia-Etxebarria, C. Mayrhofer, F. Quevedo, P. Shukla and R. Valandro.  
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23. **“ICTP: From a dream to a reality in 50+ years”**  
F. Quevedo.  
DOI:10.1142/S0217751X17410032  
Int. J. Mod. Phys. A **32**, no. 08, 1741003 (2017).
24. **“Is String Phenomenology an Oxymoron?”**  
F. Quevedo.  
arXiv:1612.01569 [hep-th]
25. **“Light Higgsino Dark Matter from Non-thermal Cosmology”**  
L. Aparicio, M. Cicoli, B. Dutta, F. Muia and F. Quevedo.  
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DOI:10.1007/JHEP11(2016)038  
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26. **“Moduli Vacuum Misalignment and Precise Predictions in String Inflation”**  
M. Cicoli, K. Dutta, A. Maharana and F. Quevedo.  
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27. **“Robust Inflation from Fibrous Strings”**  
C. P. Burgess, M. Cicoli, S. de Alwis and F. Quevedo.  
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28. **“Global String Embeddings for the Nilpotent Goldstino”**  
I. Garcia-Etxebarria, F. Quevedo and R. Valandro.  
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29. **“De Sitter from T-branes”**  
M. Cicoli, F. Quevedo and R. Valandro.  
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30. **“Moduli Stabilisation with Nilpotent Goldstino: Vacuum Structure and SUSY Breaking”**  
L. Aparicio, F. Quevedo and R. Valandro.  
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31. **“Dualities in 3D Large  $N$  Vector Models”**  
N. Muteeb, L. A. Pando Zayas and F. Quevedo.  
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32. **“String Theory Realizations of the Nilpotent Goldstino”**  
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33. **“Non-thermal CMSSM with a 125 GeV Higgs”**  
L. Aparicio, M. Cicoli, B. Dutta, S. Krippendorf, A. Maharana, F. Muia and F. Quevedo.  
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34. **“On KKLT/CFT and LVS/CFT Dualities”**  
S. de Alwis, R. K. Gupta, F. Quevedo and R. Valandro.  
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35. **“MFV Reductions of MSSM Parameter Space”**  
S. S. AbdusSalam, C. P. Burgess and F. Quevedo.  
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JHEP **1502**, 073 (2015)  
CERN-PH-TH-2014-234, DAMTP-2014-79
36. **“Sequestered de Sitter String Scenarios: Soft-terms”**  
L. Aparicio, M. Cicoli, S. Krippendorf, A. Maharana, F. Muia and F. Quevedo.  
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37. **“Inflating with Large Effective Fields”**  
C. P. Burgess, M. Cicoli, F. Quevedo and M. Williams.  
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38. **“Local String Models and Moduli Stabilisation”**  
F. Quevedo.  
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39. **“Explicit de Sitter Flux Vacua for Global String Models with Chiral Matter”**  
M. Cicoli, D. Klevers, S. Krippendorf, C. Mayrhofer, F. Quevedo and R. Valandro.  
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40. **“A Note on the Magnitude of the Flux Superpotential”**  
M. Cicoli, J. P. Conlon, A. Maharana and F. Quevedo.  
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41. **“Stability, Tunneling and Flux Changing de Sitter Transitions in the Large Volume String Scenario”**  
 S. de Alwis, R. Gupta, E. Hatefi and F. Quevedo.  
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42. **“String Inflation After Planck 2013”**  
 C. P. Burgess, M. Cicoli and F. Quevedo.  
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43. **“The Web of D-branes at Singularities in Compact Calabi-Yau Manifolds”**  
 M. Cicoli, S. Krippendorff, C. Mayrhofer, F. Quevedo and R. Valandro.  
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44. **“D3/D7 Branes at Singularities: Constraints from Global Embedding and Moduli Stabilisation”**  
 M. Cicoli, S. Krippendorff, C. Mayrhofer, F. Quevedo and R. Valandro.  
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45. **“A comment on continuous spin representations of the Poincare group and perturbative string theory”**  
 A. Font, F. Quevedo and S. Theisen.  
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46. **“Dark radiation in LARGE volume models”**  
 M. Cicoli, J. P. Conlon and F. Quevedo.  
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47. **“D-Branes at del Pezzo Singularities: Global Embedding and Moduli Stabilisation”**  
 M. Cicoli, S. Krippendorff, C. Mayrhofer, F. Quevedo and R. Valandro.  
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48. **“De Sitter String Vacua from Dilaton-dependent Non-perturbative Effects”**  
 M. Cicoli, A. Maharana, F. Quevedo and C. P. Burgess.  
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49. **“Modulated Reheating and Large Non-Gaussianity in String Cosmology”**  
 M. Cicoli, G. Tasinato, I. Zavala, C. P. Burgess and F. Quevedo.  
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50. **“On Brane Back-Reaction and de Sitter Solutions in Higher-Dimensional Supergravity”**  
C. P. Burgess, A. Maharana, L. van Nierop, A. A. Nizami and F. Quevedo.  
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51. **“Towards a Systematic Construction of Realistic D-brane Models on a del Pezzo Singularity”**  
M. J. Dolan, S. Krippendorff and F. Quevedo.  
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52. **“String moduli inflation: An overview”**  
M. Cicoli and F. Quevedo.  
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53. **“Anisotropic Modulus Stabilisation: Strings at LHC Scales with Micron-sized Extra Dimensions”**  
M. Cicoli, C. P. Burgess and F. Quevedo.  
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54. **“New Constraints (and Motivations) for Abelian Gauge Bosons in the MeV-TeV Mass Range”**  
M. Williams, C. P. Burgess, A. Maharana and F. Quevedo.  
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55. **“Radiative Fermion Masses in Local D-Brane Models”**  
C. P. Burgess, S. Krippendorff, A. Maharana and F. Quevedo.  
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56. **“Cambridge Lectures on Supersymmetry and Extra Dimensions”**  
F. Quevedo, S. Krippendorff and O. Schlotterer.  
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57. **“Cold Dark Matter Hypotheses in the MSSM”**  
S. S. AbdusSalam and F. Quevedo.  
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58. **“Non-standard primordial fluctuations and nongaussianity in string inflation”**  
C. P. Burgess, M. Cicoli, M. Gomez-Reino, F. Quevedo, G. Tasinato and I. Zavala.  
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59. **“Uber-naturalness: unexpectedly light scalars from supersymmetric extra dimensions”**  
C. P. Burgess, A. Maharana and F. Quevedo.  
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60. **“D-branes at Toric Singularities: Model Building, Yukawa Couplings and Flavour Physics”**  
S. Krippendorff, M. J. Dolan, A. Maharana and F. Quevedo.  
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61. **“The Hunt for New Physics at the Large Hadron Collider”**  
P. Nath *et al.*.  
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62. **“SUSY Breaking in Local String/F-Theory Models”**  
R. Blumenhagen, J. P. Conlon, S. Krippendorff, S. Moster and F. Quevedo.  
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63. **“Fitting the Phenomenological MSSM”**  
S. S. AbdusSalam, B. C. Allanach, F. Quevedo, F. Feroz and M. Hobson.  
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64. **“Metastable SUSY Breaking, de Sitter Moduli Stabilisation and Kahler Moduli Inflation”**  
S. Krippendorff and F. Quevedo.  
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65. **“Towards Realistic String Vacua”**  
J. P. Conlon, A. Maharana and F. Quevedo.  
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OUTP-08-18P, DAMTP-2008-101, CERN-PH-TH-2008-214
66. **“Fibre Inflation: Observable Gravity Waves from IIB String Compactifications”**  
M. Cicoli, C. P. Burgess and F. Quevedo.  
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67. **“Wave Functions and Yukawa Couplings in Local String Compactifications”**  
J. P. Conlon, A. Maharana and F. Quevedo.

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68. **“Volume Modulus Inflation and the Gravitino Mass Problem”**  
J. P. Conlon, R. Kallosh, A. D. Linde and F. Quevedo.  
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69. **“Continuous Global Symmetries and Hyperweak Interactions in String Compactifications”**  
C. P. Burgess, J. P. Conlon, L. Y. Hung, C. H. Kom, A. Maharana and F. Quevedo.  
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70. **“General Analysis of LARGE Volume Scenarios with String Loop Moduli Stabilisation”**  
M. Cicoli, J. P. Conlon and F. Quevedo.  
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71. **“Scanning the Landscape of Flux Compactifications: Vacuum Structure and Soft Supersymmetry Breaking”**  
S. S. AbdusSalam, J. P. Conlon, F. Quevedo and K. Suruliz.  
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72. **“Systematics of String Loop Corrections in Type IIB Calabi-Yau Flux Compactifications”**  
M. Cicoli, J. P. Conlon and F. Quevedo.  
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73. **“Astrophysical and cosmological implications of large volume string compactifications”**  
J. P. Conlon and F. Quevedo.  
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74. **“Sparticle Spectra and LHC Signatures for Large Volume String Compactifications”**  
J. P. Conlon, C. H. Kom, K. Suruliz, B. C. Allanach and F. Quevedo.  
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75. **“Moduli stabilisation and de Sitter string vacua from magnetised D7 branes”**  
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76. **“The great cosmic roller-coaster ride”**  
C. Burgess and F. Quevedo.  
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77. **“Warped Supersymmetry Breaking”**  
C. P. Burgess, P. G. Camara, S. P. de Alwis, S. B. Giddings, A. Maharana, F. Quevedo and K. Suruliz.  
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78. **“Soft SUSY Breaking Terms for Chiral Matter in IIB String Compactifications”**  
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79. **“Kahler potentials of chiral matter fields for Calabi-Yau string compactifications”**  
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80. **“Wilson line inflation”**  
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81. **“Gaugino and Scalar Masses in the Landscape”**  
J. P. Conlon and F. Quevedo.  
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