Publications

Preprint Articles

- [1] S. Abel, L. Heurtier, Exact Schwinger Proper Time Renormalisation, Nov 2023 To appear on ArXiv on the 11/22/2023
- [2] L. Hamaide, L. Heurtier, S.-Q. Hu, and A. Cheek, *Primordial Black Holes Are True Vacuum Nurseries*, Nov 2023 [ArXiv: 2311.01869] *Prepared for submission to PRL*
- [3] K. R. Dienes, L. Heurtier, F. Huang, T. M. P. Tait, and B. Thomas, *Stasis, Stasis, Triple Stasis*, Sep 2023 [ArXiv: 2309.10345] *Submitted for publication to PRD*
- [4] K. R. Dienes, L. Heurtier, F. Huang, D. Kim, T. M. P. Tait, and B. Thomas, *Primordial Black Holes Place the Universe in Stasis*, Dec 2022 [ArXiv:2212.01369] *Submitted for publication to PRD*

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- [1] A. Ghoshal, Y. Gouttenoire, L. Heurtier, P. Simakachorn, *Primordial Black Hole Archaeology with Gravitational Waves from Cosmic Strings*, Apr 2023, J. High Energ. Phys. 08 (2023) 196 [ArXiv:2304.04793]
- [2] R. Heighton, L. Heurtier, M. Spannowsky, *Hunting for Neutral Leptons with Ultra-High-Energy Cosmic Rays*, Mar 2023 [ArXiv:2303.11352] *Accepted for publication by PRD*
- [3] A. Cheeck, L. Heurtier, Y. F. Perez-Gonzalez, and J. Turner, Evaporation of Primordial Black Holes in the Early Universe: Mass and Spin Distributions, Dec 2022 [ArXiv:2212.03878] Accepted for publication by PRD
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- [7] K. R. Dienes, L. Heurtier, F. Huang, D. Kim, T.M.P. Tait, B. Thomas, *Stasis in an Expanding Universe: A Recipe for Stable Mixed-Component Cosmological Eras*, Nov 2021, Phys. Rev. D 105 (2022) 2, 023530, [arXiv:2111.04753].
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- [2] **L. Heurtier**, Extra U(1), effective operators, anomalies and dark matter, Journées de Rencontre des Jeunes Chercheurs 2013: Proceedings.