

# PUBLICATION LIST

## PUBLISHED IN JOURNALS

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- [1] S. Chakraborty and K. Parattu, “Null boundary terms for Lanczos–Lovelock gravity,” *Editor’s Choice, Gen.Rel.Grav.* **51** (2019) no.2, 23, [arXiv:1806.08823](#).
- [2] S. Chakraborty, K. Parattu, and T. Padmanabhan, “A Novel Derivation of the Boundary Term for the Action in Lanczos-Lovelock Gravity,” *Gen.Rel.Grav.* **49** (2017) no.9, 121, [arxiv:1703.00624](#).
- [3] K. Parattu, S. Chakraborty, and T. Padmanabhan, “Variational Principle for Gravity with Null and Non-null boundaries: A Unified Boundary Counter-term,” *Eur. Phys. J.* **C76** (2016) 129, [arxiv:1602.07546](#).
- [4] S. Chakraborty, K. Parattu, and T. Padmanabhan, “Gravitational Field Equations near an Arbitrary Null Surface expressed as a Thermodynamic Identity,” *JHEP* **10** (2015) 097, [arxiv:1505.05297](#).
- [5] K. Parattu, S. Chakraborty, B. R. Majhi, and T. Padmanabhan, “A boundary term for the gravitational action with null boundaries,” *Gen. Rel. Grav.* **48** (2016), no. 7, 94, [arxiv:1501.01053](#).
- [6] K. Lochan, K. Parattu, and T. Padmanabhan, “Quantum Evolution Leading to Classicality: A Concrete Example,” *Gen. Rel. Grav.* **47** (2015), no. 1, 1841, [arxiv:1404.2605](#).
- [7] K. Parattu, B. R. Majhi, and T. Padmanabhan, “Structure of the gravitational action and its relation with horizon thermodynamics and emergent gravity paradigm,” *Phys.Rev.* **D87** (2013), no. 12, 124011, [arxiv:1303.1535](#).
- [8] C. Luhn, K. M. Parattu, and A. Wingerter, “A Minimal Model of Neutrino Flavor,” *JHEP* **12** (2012) 096, [arxiv:1210.1197](#).
- [9] K. M. Parattu and A. Wingerter, “Tribimaximal Mixing From Small Groups,” *Phys. Rev.* **D84** (2011) 013011, [arxiv:1012.2842](#).

## CONTRIBUTIONS TO BOOKS

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- [10] K. Parattu, “Einstein Equations from/as Thermodynamics of Spacetime,” *Fundam. Theor. Phys.* **187** (2017) 339-352, Contribution to the volume in honour of Prof. Padmanabhan’s 60th birthday.

CONFERENCE PROCEEDINGS

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- [11] A. Wingerter and K. M. Parattu, “A Scan for Models of Neutrino Mixing from Non-Abelian Discrete Symmetries,” Proceedings, 21st International Europhysics Conference on High energy physics (EPS-HEP 2011), *PoS EPS-HEP2011* (2011) 92, [arXiv:1110.6762](#).