



## **Review Paper**

### **Horizon quantum mechanics: A hitchhiker's guide to quantum black holes**

*Roberto Casadio, Andrea Giugno, Octavian Micu*

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## **Research Papers**

### **Black hole remnants due to Planck-length deformed QFT**

*Alain R. P. Dirkes, Michael Maziashvili, Zurab K. Silagadze*

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### **Solutions with throats in Hořava gravity with cosmological constant**

*Jorge Bellorín, Alvaro Restuccia, Adrián Sotomayor*

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### **Conformal and traversable wormholes with monopole and perfect fluid in $f(R)$ -gravity**

*Doğukan Taşer, Melis Ulu Doğru*

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### **New holographic dark energy model inspired by the DGP braneworld**

*A. Sheykhi, M. H. Dehghani, S. Ghaffari*

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### **Mimicking static anisotropic fluid spheres in general relativity**

*Petarpa Boonserm, Tritos Ngampitipan, Matt Visser*

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### **Gravitational lensing by $f(R, T)$ gravity**

*Ahmed Alhamzawi, Rahim Alhamzawi*

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### **A holographic model of dd-wave superconductor vortices with Lifshitz scaling**

*Hong Guo, Fu-Wen Shu, Jing-He Chen, Hui Li, Ze Yu*

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### **Generating solutions to the Einstein field equations**

*I. G. Contopoulos, F. P. Esposito, K. Kleidis, D. B. Papadopoulos, L. Witten*

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**Genericity aspects of black hole formation in the collapse of spherically symmetric slightly inhomogeneous perfect fluids**

*Seema Satin, Daniele Malafarina, Pankaj S. Joshi*

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**Dynamics of a charged particle around a weakly magnetized naked singularity**

*Gulmina Zaman Babar, Mubasher Jamil, Yen-Kheng Lim*

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**A novel teleparallel dark energy model**

*Giovanni Otalora*

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**Shadow of a dressed black hole and determination of spin and viewing angle**

*Lingyun Yang, Zilong Li*

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**Pathways to relativistic curved momentum spaces: de Sitter case study**

*Giovanni Amelino-Camelia, Giulia Gubitosi, Giovanni Palmisano*

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**Nonsingular universe from generalized thermostatistics**

*B. Vakili, M. A. Gorji*

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