



## **Brief Review**

### **Sterile neutrino dark matter from freeze-in**

*Bibhushan Shakya*

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## **Research Papers**

### **Entropy spectrum of the apparent horizon of Vaidya black holes via adiabatic invariance**

*Ge-Rui Chen, Yong-Chang Huang*

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### **The spacetime models with dust matter that admit separation of variables in Hamilton–Jacobi equations of a test particle**

*Konstantin Osetrin, Altair Filippov, Evgeny Osetrin*

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### **Strong decays of heavy tensor mesons in QCD sum rules**

*Zhen-Yu Li, Zhi-Gang Wang, Guo-Liang Yu*

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### **Galactic entropy in extended Kaluza–Klein cosmology**

*Hilmi Yanar, Mustafa Salti, Oktay Aydogdu, Irfan Acikgoz, Erol Yasar*

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### **Cosmological model with fermion and tachyon fields interacting via Yukawa-type potential**

*Marlos O. Ribas, Fernando P. Devecchi, Gilberto M. Kremer*

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### **Vanishing effective Majorana neutrino mass and light sterile neutrinos**

*Surender Verma*

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