

Comment on “Signatures of the Unruh effect via high-power, short-pulse lasers”

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The editors are aware of the ongoing discussion on the role of the Unruh and Hawking effects in the two-photon emission process of an electron in a strong electromagnetic field. The current article discusses the possibilities for experimental detection of the Unruh effect in the laboratory and its close relation with the development of ultra-high intensity laser plasma interaction. For this important reason the editors decided to publish it within the topical issue “Fundamental physics and ultra-high laser fields”. The additional aim of this publication is to encourage discussion of this problem on the pages of our journal.

The editors, Vladimir Tikhonchuk and Francesco Pegoraro