

Katedra teoretickej fyziky FMFI UK
&
Slovenská fyzikálna spoločnosť

Vás pozývajú na ODBORNÝ SEMINÁR:

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What about quarkonia in the (non)commutative space?

Abstrakt: Quarkonium bound states are especially promising candidates to test the probable quantum structure of space-time, since they represent a system with reasonably small characteristic distance. The quantum mechanical interaction between the quarks is heuristically described by the Cornell potential.

Firstly, we investigate this system in the 3-dimensional smooth space. Thereafter, we insert it into a rotationally invariant space which is composed of concentric fuzzy spheres of increasing radius, called the fuzzy onion, in order to extract some consequences of the non-trivial structure on the quarks' properties.

Dátum, čas a miesto konania seminára:

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