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## A less commutative version of quarkonium masses

Thursday 27 July 2023 15:10 (30 minutes)

Quarkonium bound states are especially promising candidates to test the probable quantum structure of spacetime, since they represent a system with reasonably small characteristic distance. The quantum mechanical interaction between the quarks is heuristically described by the Cornell potential. Here, we insert this system in a 3-dimensional 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 its properties. The talk will be based on joint work with Juraj Tekel, arXiv:2209.09028.

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