

[Albeverio, Sergio](#); [Khrennikov, Andrei](#)

Representations of the Weyl group in spaces of square integrable functions with respect to p -adic valued Gaussian distributions. (English) [Zbl 0903.46073](#)

J. Phys. A, Math. Gen. 29, No. 17, 5515-5527 (1996).

MSC:

46S10 Functional analysis over fields other than \mathbb{R} or \mathbb{C} or the quaternions; non-Archimedean functional analysis

81S05 Commutation relations and statistics as related to quantum mechanics (general)

46N50 Applications of functional analysis in quantum physics

47N50 Applications of operator theory in the physical sciences

81R05 Finite-dimensional groups and algebras motivated by physics and their representations

Cited in **2** Reviews
Cited in **20** Documents

Keywords:

p -adic Hilbert space of functions; Weyl-Heisenberg group; operator quantization over p -adic numbers

Full Text: [DOI](#)