Annals of the Academy of Romanian Scientists
Series on Physics and Chemistry Sciences
ISSN 2559-1061 Volume 3, Number 1/2018

PHYSICAL INTERPRETATION OF QUANTITIES IN THE COMPLEX ENERGY PLANE

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Abstract

Since the first application of the probability interpretation of quantum mechanics by Gamow nearly nine decades ago the use of complex physical quantities, which are outside the framework of quantum mechanics, have been very useful in the description of processes occurring in the continuum part of quantum spectra. In this talk I will introduce and clarify the meaning of those complex quantities. This will bring my talk to discusions on dubious interpretations of some aspects of quantum mechanics itself.

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