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**Theoretical Discussion on the Double Slit Experiment and Beyond: The Hückel (HMO) Connection**

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**Abstract**

The double slit experiment involving one quantum object is described from the point of view of a Gaussian space enfolding via a Gaussian particle density function in connection with Hückel MO (HMO) theory. The relation between the double slit experiment and HMO is made in such a way that it facilitates the schematic description of multiple slit experiments, permitting the analysis of the nature of the experiment, observable in the form of a generated density function.

**Keywords:**

QSAR, Density Functional Theory (DFT), Quantum Chemical Descriptors, Drug Design

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