

Antimatter binding matter: The covalent positron bond

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Abstract: We have previously employed a number of theoretical methodologies developed within the any particle molecular orbital (APMO) approach [1] to study the binding of positrons to atoms and molecules [2-3].

The present study is a little different. Here, we provide sufficient theoretical evidence, obtained at different level of theory within the APMO approach, revealing that one or more positrons are responsible for chemically binding two or more repelling anions.

Key-words: any particle molecular orbital, covalent bond, positron.

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References:

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