

# molecular structure via self-field theory and a new quantum number unknown to QM or QFT

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Inside the hydrogen atom photon substructure known via self-field theory introduces no new physics beyond that given by quantum mechanics. Within molecules however, photon substructure introduces a previously unknown quantum number by which molecular bonds can range between strong and weak structures.

This photon mechanism appears involved in a number of important energy/temperature dependent molecular processes. The cell cycle and other biological processes may well depend on the various hydration structures found within DNA and other biological protein structures. There are also physical phenomena that show dependence on hydrogen bonding, or on the innate spectroscopy of the ordinary photon.

This work will be presented at EHE07 September 10-12 2007 at Wroclaw Poland.

[http://www.unifiedphysics.com/Molecular%20Structure\\_june\\_2007.pdf](http://www.unifiedphysics.com/Molecular%20Structure_june_2007.pdf)