

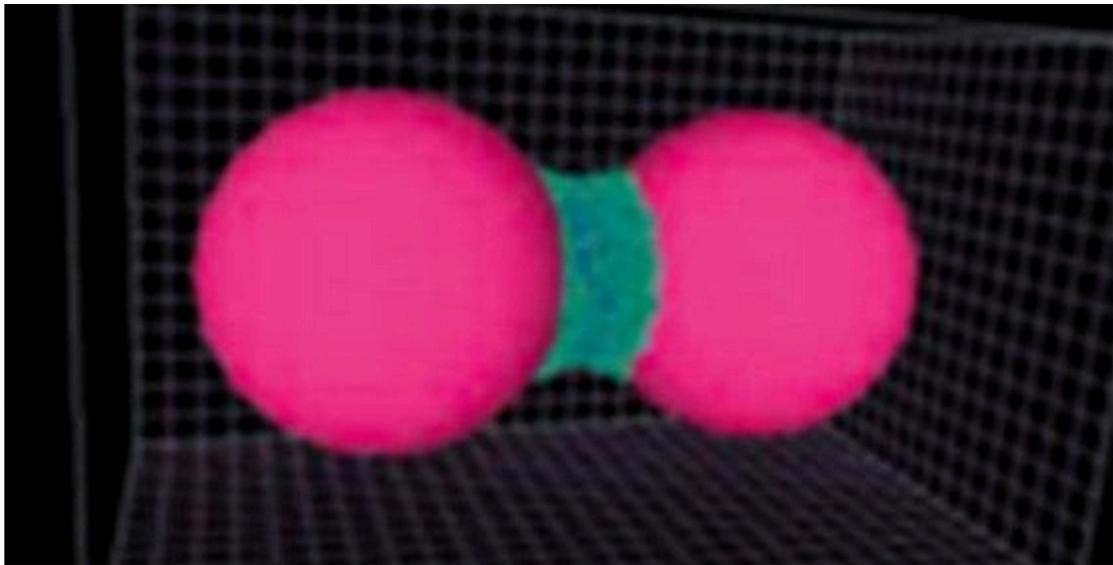
Nuclear Forces and Nuclear Structure

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Abstract: shows the most fundamental nature of the nuclear force and the nuclear overall structure.

Main viewpoints and conclusions:

The most fundamental nature of nuclear forces is the polymerization by electrostatic attraction--- electrostatic forces;^[1] and the basic structure of an atomic nucleus is a quasi frog-eggs structure.^[2]



The image just to increase understanding only, thanks to the authors.

For instance, two protons (red color) are glued together by one π -meson (green color) to form a Deuterium's nucleus.]

Moreover, $A (\geq 2)$ protons are glued together by N π -mesons and then formed an atomic nucleus; or in other perspective, $A (\geq 2)$ protons are glued together by the body which consists of N π -mesons and forming into an atomic nucleus.^[1] in the same time, a light nucleus shows molecule-like behavior (tending towards the crystalline state); a heavier nuclei takes on a liquid-like behavior.

References

[1] *The Structure, Property and Parameters of Nucleons* <http://vixra.org/abs/1503.0121>

[2] *π -Meson and the Structure of an Atomic Nucleus* <http://vixra.org/abs/1405.0228>

[3] *The source of the image*

<http://www.nature.com/news/near-earth-asteroid-held-together-by-weak-force-1.15713>