

Hal Puthoff: Quantum Fluctuations of Empty Space: A New Rosetta Stone of Physics
https://www.researchgate.net/publication/237607247_Quantum_Fluctuations_of_Empty_Space_A_New_Rosetta_Stone_in_Physics/link/00b7d528b987c5d58c000000/download
Manifestations of ZPE

Lamb shift: hydrogen atom: electron circles proton; when excited, goes into excited state, emits photons;
From Schrodinger's equation, can figure out what the frequencies of emitted photons ought to be;
Measure in lab & find they are off by a gigahertz

Can recalculate & include effects of ZPF; get agreement

Cashmir effect: two metal slabs if "close", empty space pushes plates together;
A Million Newtons per square meter

Some physicists decided should pay more attention to ZPF

"spontaneous emission" of excited electron not so spontaneous; actually is a stimulated emission from background ZPF
Verified experimentally.

Vision is due to spontaneous emission. If there were no ZPF, there would be no spontaneous emission, and vision could not occur.

Fundamental question: in hydrogen for example, why does not the electron in lowest energy state radiate away its energy?
Answer is ZPE field is constantly jiggling the electron, it absorbs energy from ZPF.