

# The New Mechanism and a New Method of Spent Fuel Reprocessing

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**Abstract:** put the new mechanism and a new method of spent fuel reprocessing

## Main Viewpoint & Result

Since one kind of nuclide has radioactivity, is because it containing extra neutrons and redundancy  $\pi$ -mesons, [1] and by the neutron excitation, a stable atomic nucleus can obtain radioactivity.

Then, in theory, we could employ the *Proton neutralization*, namely, by protons emission, Injection (conveying; load) protons into the nucleus of spent fuel, making the nucleus of spent fuel obtains extra protons and to neutralize the redundancy  $\pi$ -mesons, makes the nucleus of spent fuel proliferating into a stable nuclide, became the new substances which has no redundancy  $\pi$ -mesons, and then missing radioactivity.

## References

[1] The Stability and Radioactivity of Atomic Nucleus <http://vixra.org/abs/1411.0501>