

THE ALPHA AND SPONTANEOUS FISSION HALF-LIVES OF ^{242}Pu *

by

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ABSTRACT

The alpha and spontaneous fission half-lives of ^{242}Pu are measured relative to the alpha half-life of ^{239}Pu . If the alpha half-life of ^{239}Pu is 24290 ± 70 y, the ^{242}Pu alpha half-life is $(3.736 \pm .029) \times 10^5$ y and the spontaneous fission half-life is $(6.79 \pm .04) \times 10^{10}$ y.

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