

EVALUATED (n;p) CROSS SECTIONS OF ^{46}Ti , ^{47}Ti and ^{48}Ti *

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ABSTRACT

Microscopic evaluated neutron cross sections for the reactions $^{46}\text{Ti}(n;p)^{46}\text{Sc}$, $^{47}\text{Ti}(n;p)^{47}\text{Sc}$ and $^{48}\text{Ti}(n;p)^{48}\text{Sc}$ are obtained from threshold (or zero energy) to 20 MeV. The results are presented in graphical and numerical (ENDF format) form. The microscopic evaluated cross sections are compared with measured fission-spectrum-averaged values.

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