

Structural Changes of Fecralloy Induced by Neutron Irradiation Observed by Mössbauer Spectrometry

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Abstract. Structural changes of Fecralloy induced by neutron irradiation (neutron fluence $\sim 5 \cdot 10^{20}$ n/cm²) was observed by Mössbauer spectrometry in transmission geometry. An increase of mean hyperfine field as well as changes in overall line shape was observed, indicating phase separation of Fe/Cr/Al fractions.