

On the application of selective-excitation double Mössbauer spectroscopy to problems in materials science

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Abstract

Results showing the influence of optical thickness of a scatterer in selective-excitation double Mössbauer spectroscopy are presented on the example of α -Fe and FeBO₃. Significant transformation of the spectral γ -radiation structure predicted theoretically is demonstrated for single-layered FeBO₃. © 2010 Springer Science+Business Media, Inc.

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Keywords

γ -optics, materials science, Mössbauer effect