

The Mechanism of Mössbauer absorber transparency under nuclear level anticrossing conditions

Sadykov E., Vagizov F., Arinin V., Khasanov B., Kocharovskaya O.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Possible mechanisms for the partial transparency of a thin Mössbauer absorber under nuclear level anticrossing conditions were studied. The conditions leading to the most interesting transparency mechanism due to quantum interference were determined. The siderite (FeCO_3) in which this effect was experimentally observed was considered. © Allerton Press, Inc., 2010.

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