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Kernresonanzfluoreszenz von Gammastrahlung in Ir¹⁹¹

Von

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Mit 8 Figuren im Text

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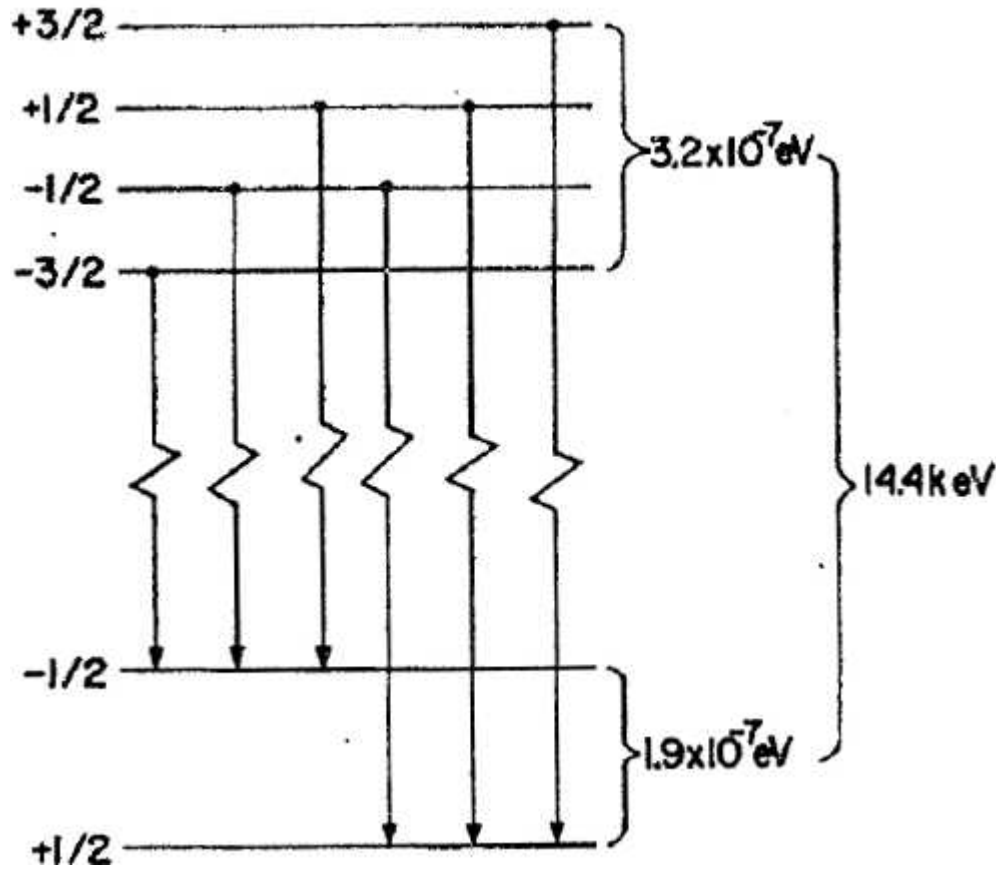


FIG. 1. Zeeman splittings of the two low levels of Fe^{57} by the internal magnetic field at the nucleus in ferromagnetic iron. The transitions are those appropriate to magnetic-dipole radiation.

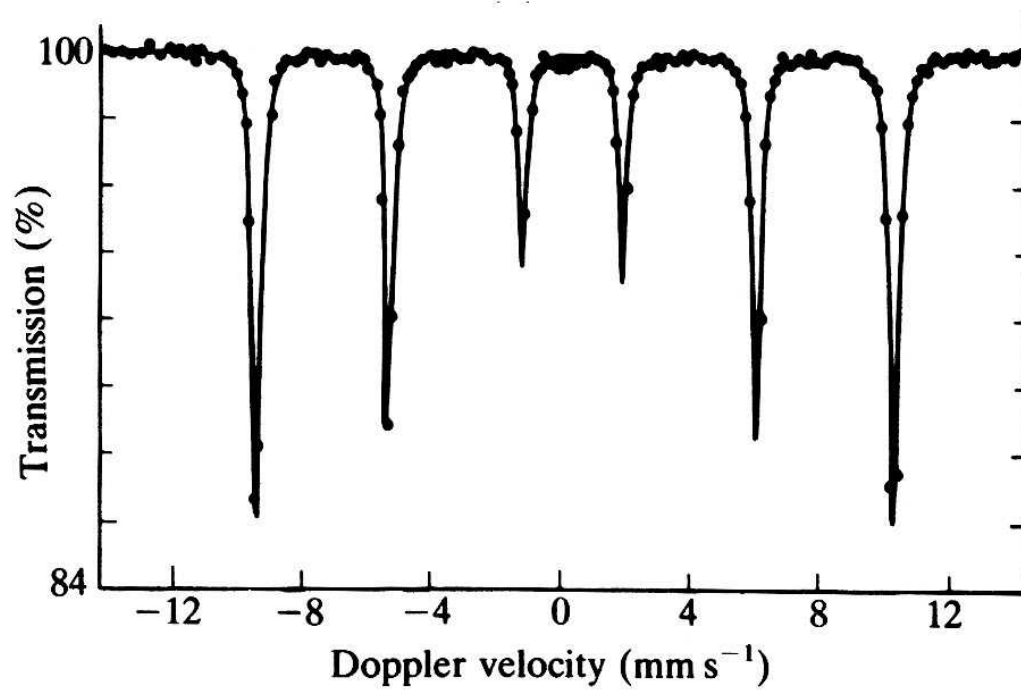
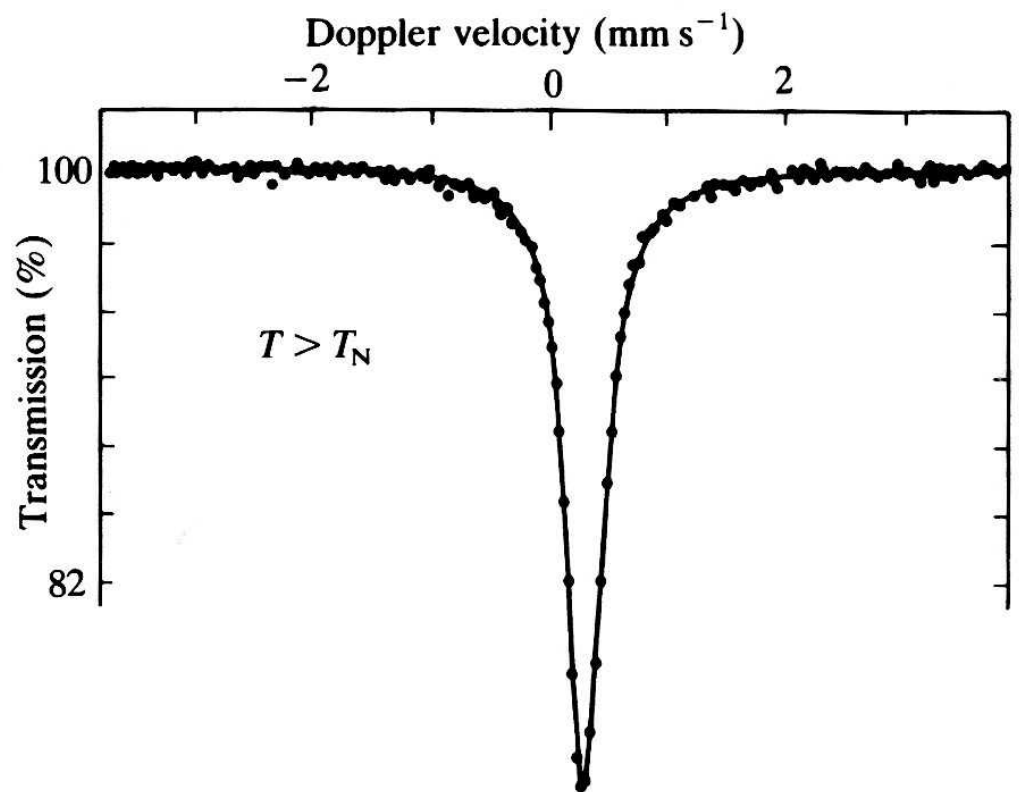


FIG. 4. Typical spectra for metallic Fe^{57} between room temperature and the Curie temperature. The single-line source (Co^{57} in Cu) was at the temperature of liquid nitrogen.

