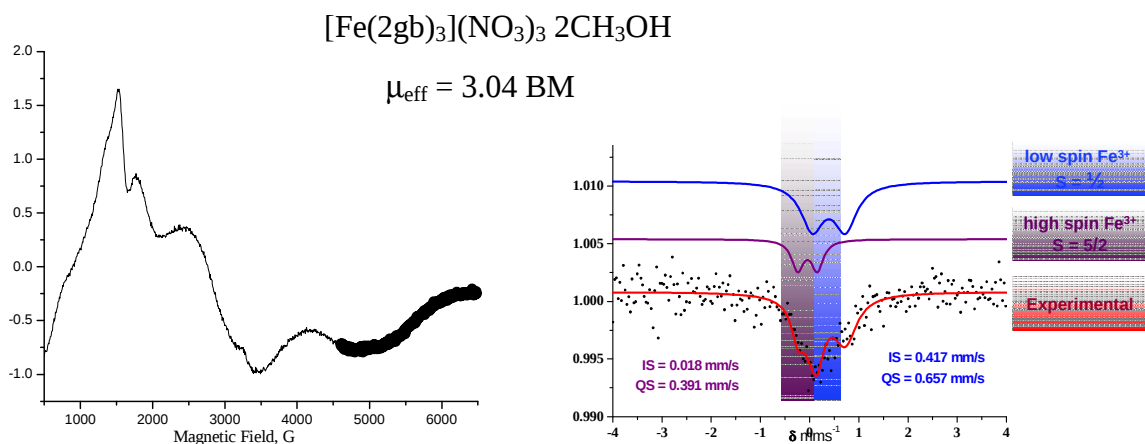


Spectroscopic study of Fe^{III} benzimidazolic compounds

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We have been interested in the coordination chemistry of Fe^{III} with benzimidazolic ligands, since coordination compounds containing benzimidazole derivatives have been used as structural and reactivity models of metal ions in biological systems [1, 2]. In this work we discuss epr and Mössbauer spectra, of several octahedral Fe^{III} compounds, related with their magnetic behaviour. Fe^{III} coordination compounds with the ligands tris(benzimidazolylmethyl)amine, 2-(2'-pyridyl)benzimidazole, 2-(4-thiazolyl)benzimidazole, 2-(aminomethyl)benzimidazole, 2-guanidinobenzimidazole (2gb), 2,6-bis(2-benzimidazolyl)pyridine have been studied.



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