

Fig. 1 EPR spectrum (X-band, 77 K) of CoZSM-5 zeolite after adsorption of 2 Torr of NO. In the inset a part of the spectrum with resolved superhyperfine structure due to the two equivalent ^{14}N nuclei of a dinitrosyl complex.

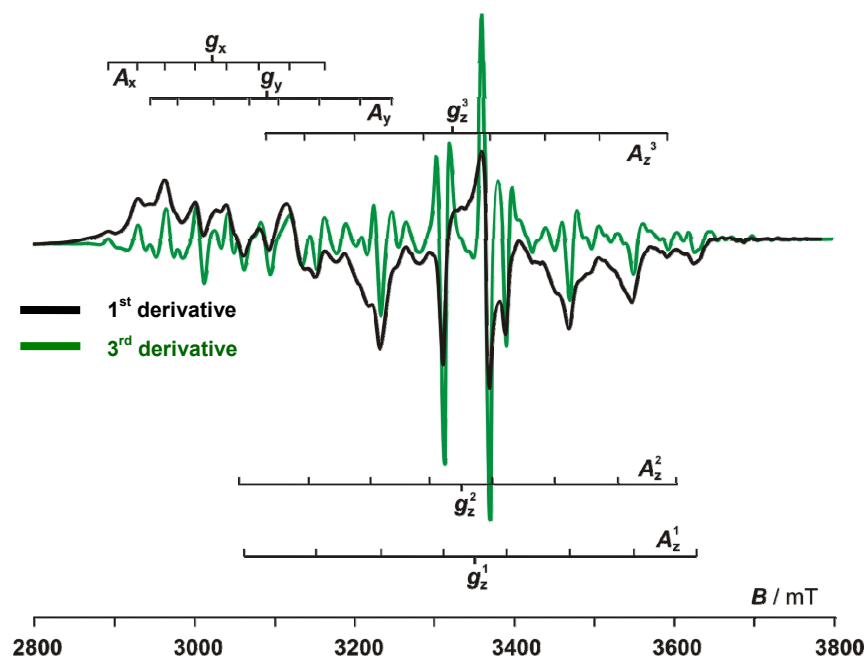


Fig. 2 EPR spectrum (X-band, 77 K) of CoZSM-5 zeolite after adsorption of 8 Torr of CO along with its 3rd derivative indicating the presence of three different components contributing to the spectrum. The components are clearly visible in form of a stick-diagram of the z direction.

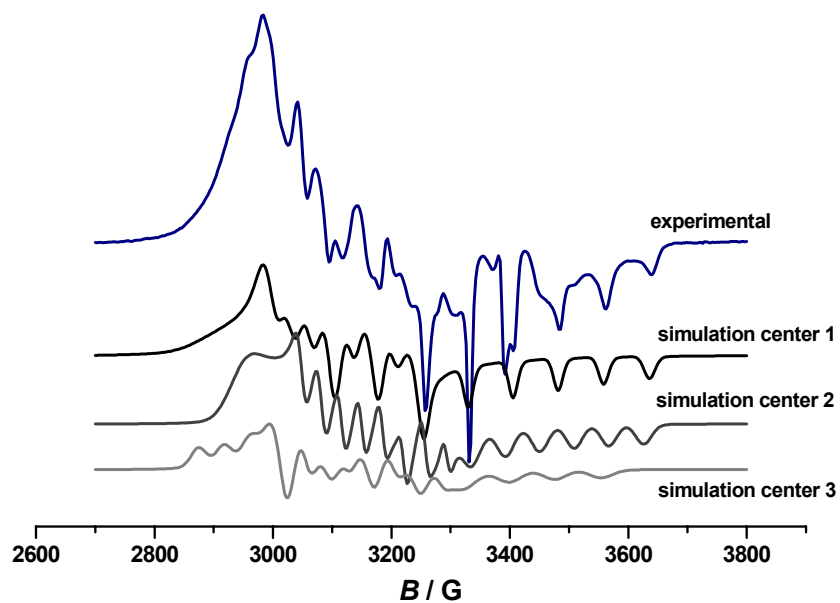


Fig. 3 EPR spectrum (X-band, 77 K) of CoBEA zeolite after adsorption of 10 Torr of CO. Simulated spectrum was decomposed into three signals corresponding to three closely related carbonyl complexes.