# INTERMAG EUROPE 2008

International Magnetics Conference

## ADVANCE PROGRAM

Madrid, Spain
May 4th - 8th
2008

IEEE Magnetics Society

INTERMAG 08

ture through the rotation of the spins. From the analysis of Mössbauer spectra, we suggest that the asymmetric structure of $LiCoPO_4$ is closely related to the elevation of ME effect.


[1] I. Kornev, Phys. Rev. B, 62, 12247 (2000).

[2] D. Vaknin, Phys. Rev. Lett., 92, 207201 (2004).

[3] M. Mostovoy, Phys. Rev. Lett., 96, 067601 (2006).

[4] S. B. Lang, IEEE. T. Dielect. El. In., 7, 466 (2000).

[5] B. B. V. Aken, Nature, 449, 702 (2007).


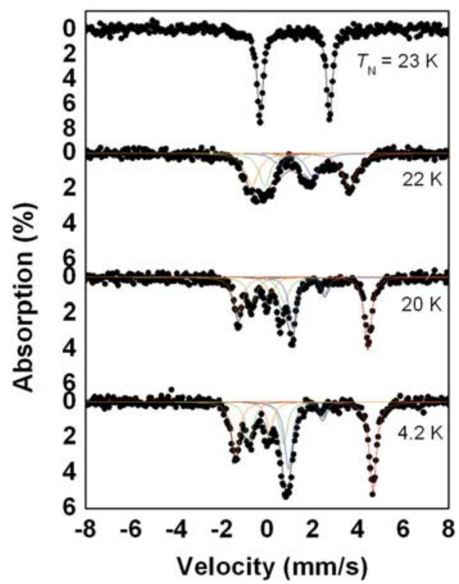


**Fig. 1. Mössbauer spectra of $LiCo_{0.99}{}^{57}Fe_{0.01}PO_4$ at various temperatures.**

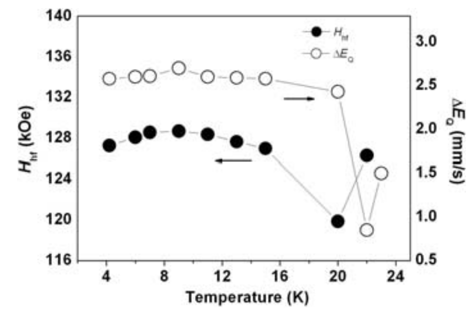


**Fig. 2. The Temperature dependence of magnetichyperfine field ($H_{hf}$) and the electric quadrupole shift ($\Delta E_Q$) at below $T_N$ for $LiCo_{0.99}{}^{57}Fe_{0.01}PO_4$. ($T_N$ (23 K)).**