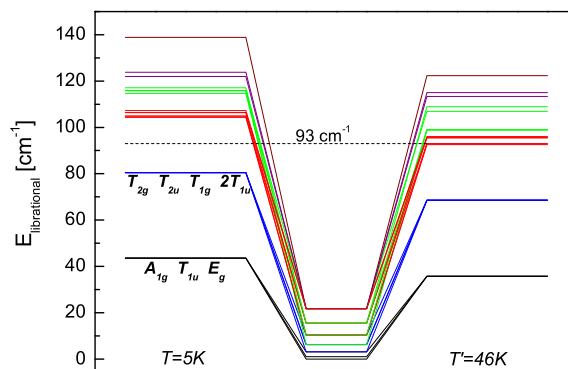


# Erratum: Photodynamics and ground state librational states of ClF molecule in solid Ar. Comparison of experiment and theory

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Rotational potential was used in the eqn. (5) of the article for the qualitative characterization of the libration and contains the error made in the previous paper [DOI: 10.1039/b315149b, erratum]. However, no qualitative changes on the important aspects of zero-point energies and librational structure take place and therefore the concluding remarks remain valid. The corrected potential surface is more repulsive for the molecular rotation and the barrier height at 5 K increases from 88  $\text{cm}^{-1}$  to 93  $\text{cm}^{-1}$ . The temperature effect at 46 K has the same trend as before but is significantly weakened according to the revised correlation diagram (Fig. 7) given below.



**Fig. 7** The correlation diagram calculated with the corrected potential  $V(\theta, \phi)$ . New level spacings are:  $\Delta E_{1\leftarrow 0} = 37 \text{ cm}^{-1}$  at 5 K and  $33 \text{ cm}^{-1}$  at 46 K.