## 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 cm<sup>-1</sup> to 93 cm<sup>-1</sup>. 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.

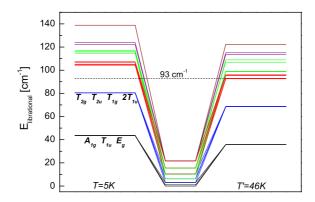


Fig. 7 The correlation diagram calculated with the corrected potential  $V(\theta, \phi)$ . New level spacings are:  $\Delta E_{1\leftarrow0}=37~\mathrm{cm}^{-1}$  at 5 K and 33 cm<sup>-1</sup> at 46 K.