

ERRATUM

BONVILLE, P. and P. IMBERT, Absorption and emission Mössbauer line shapes in the presence of electronic transitions, *Hyp. Int.* 36(1987)149–160.

Relations (10), (14) and (17) should be written, respectively:

$$(P_1)_{1/\Gamma} = \frac{\Gamma(P_1)_{\text{in}} + W_{21}}{W_{12} + W_{21} + \Gamma} \quad \text{and} \quad (P_2)_{1/\Gamma} = \frac{\Gamma(P_2)_{\text{in}} + W_{12}}{W_{12} + W_{21} + \Gamma} \quad (10)$$

$I^A(\omega)$

$$= -\text{Re} \left\{ \frac{(P_1)_B [i(\omega - \omega_2) - \frac{1}{2}G - W_{12} - W_{21}] + (P_2)_B [i(\omega - \omega_1) - \frac{1}{2}G - W_{12} - W_{21}]}{[i(\omega - \omega_1) - \frac{1}{2}G - W_{12}] [i(\omega - \omega_2) - \frac{1}{2}G - W_{21}] - W_{21} W_{12}} \right\} \quad (14)$$

$$I^E(\omega) = \frac{\Gamma}{\Gamma + W_{12}} \frac{\frac{1}{2}G + W_{12}}{(\omega - \omega_1)^2 + (\frac{1}{2}G + W_{12})^2} + \frac{W_{12}}{\Gamma + W_{12}} \frac{\frac{1}{2}G}{(\omega - \omega_2)^2 + \frac{1}{4}G^2} - \frac{\Gamma W_{12}}{\Gamma + W_{12}} \frac{(\omega - \omega_1)(\omega - \omega_2) - (\frac{1}{2}G)(\frac{1}{2}G + W_{12})}{[(\omega - \omega_1)^2 + (\frac{1}{2}G + W_{12})^2] [(\omega - \omega_2)^2 + \frac{1}{4}G^2]}, \quad (17)$$

where G is the full "static" line width as obtained in the zero relaxation limit.