

$$\text{Tsallis : } p(|\Delta E|) = \frac{\beta(2-q)}{(1 + \beta(q-1)|\Delta E|)^{\frac{1}{q-1}}}$$

$$\text{Boltzmann : } p(|\Delta E|) = \beta e^{-\beta|\Delta E|}$$

$$\text{Tsallis2 : } p(|\Delta E|) = \frac{c}{\left(1 - \frac{\lambda_q}{\mu_1} + \frac{\lambda_q}{\mu_1} e^{(q-1)\mu_1|\Delta E|}\right)^{\frac{1}{q-1}}}$$