

$$\begin{aligned}\delta\Delta T &= \sqrt{\left(\frac{\partial\Delta T}{\partial p_0}\delta p_0\right)^2 + \left(\frac{\partial\Delta T}{\partial p_1}\delta p_1\right)^2 + \left(\frac{\partial\Delta T}{\partial p_2}\delta p_2\right)^2} \\ &= \frac{p_0}{(E-p_1)^{p_2}} \sqrt{\left(\frac{\delta p_0}{p_0}\right)^2 + \left(\frac{p_2}{E-p_1}\delta p_1\right)^2 + (\log(E-p_1)\delta p_2)^2}\end{aligned}$$