Two Time Constant Exponentially Modified Gaussian:

$$f(x) = A\sqrt{\frac{\pi}{2}}\frac{\sigma}{\tau_1 - \tau_2}\left[D(\tau_1) - D(\tau_2)\right] \qquad \tau_1 \neq \tau_2 \qquad \tau_1, \tau_2 > 0$$

$$D(\tau) = \exp\left(\frac{\sigma^2}{2\tau^2} - \frac{x - x_0}{\tau}\right)\left\{1 - erf\left[-\frac{C(\tau)}{\sqrt{2}}\right]\right\}$$

$$C(\tau) = \frac{x - x_0}{\sigma} - \frac{\sigma}{\tau}$$

In Igor Pro PeakFunctions2.ipf:

For ExpModGauss Function:

w[0] = x0 (x_0) <Gauss Loc>

w[1] = w (σ)

w[2] = h (A)

w[3] = s (τ) <Exp Tau>

Proposed Change Needed:

w[3] = s1 (τ_1) <Exp Tau1>

w[4] = s2 (τ_2) <Exp Tau2>