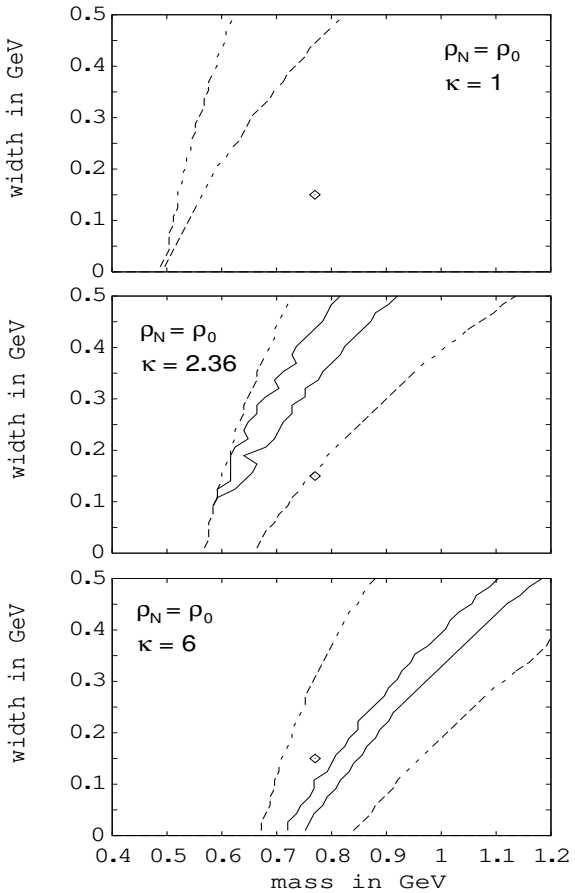
parametrization of the 'in-medium' spectral function:

$$R(\omega) = -\frac{12\pi}{\omega^2}\mathrm{Im}\Pi(\omega,0)$$
$$= \mathcal{F}_V\, S_V(\omega)\Theta(\omega_V - \omega) + d_V\left(1+\frac{\alpha_s}{\pi}\right)\Theta(\omega-\omega_V)$$

$$S_V(\omega) = \frac{\omega\Gamma_V(\omega)}{(\omega^2 - m_V^2)^2 + \omega^2\Gamma_V(\omega)^2}$$

$$\Gamma_V(\omega) = \gamma\frac{m_V}{\omega}\left(\frac{\omega^2-(\omega_V^{\mathrm{thr}})^2}{\omega_V^2-(\omega_V^{\mathrm{thr}})^2}\right)^{\frac{1}{2}}\Theta(\omega-\omega_V^{\mathrm{thr}})$$