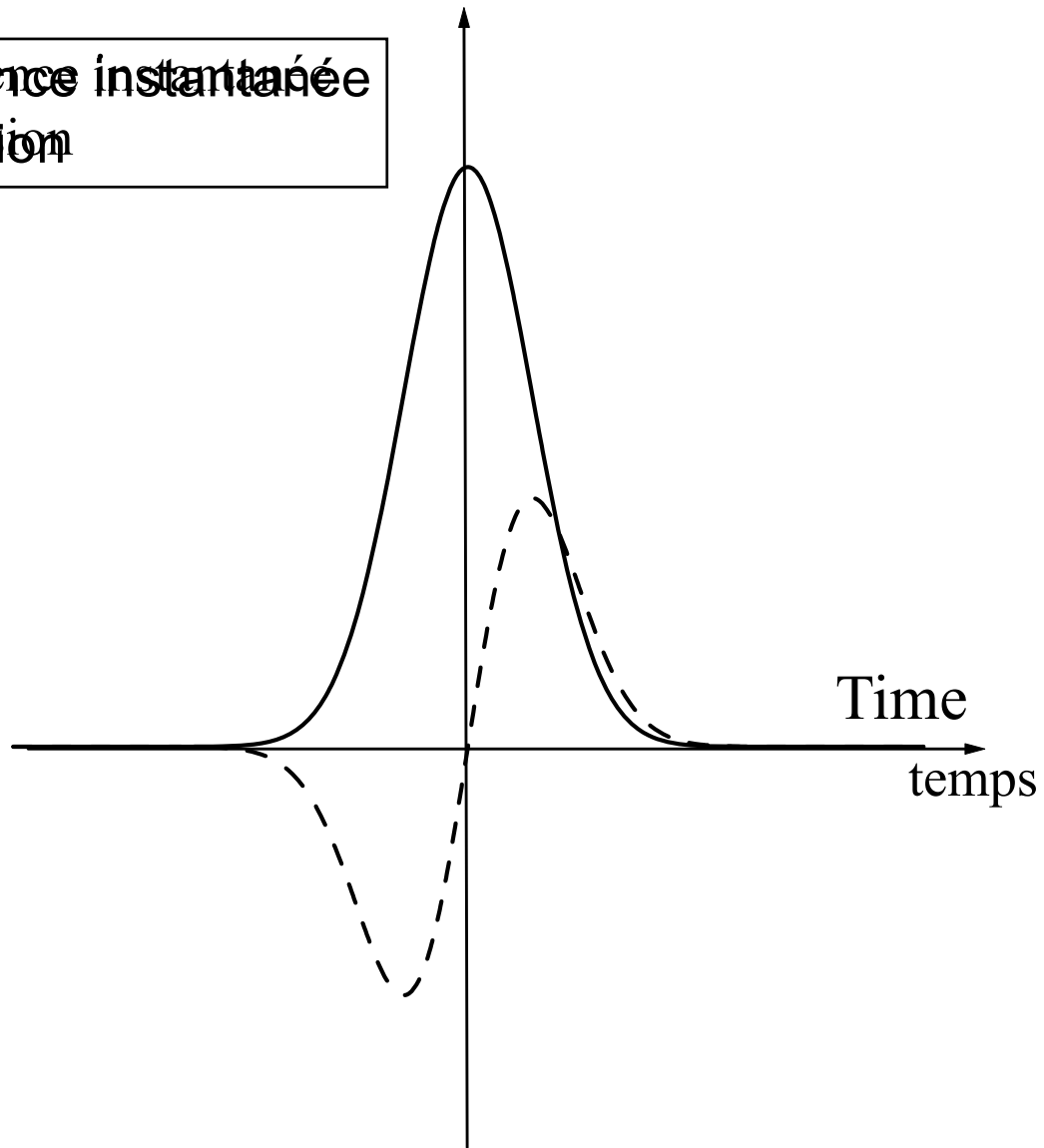
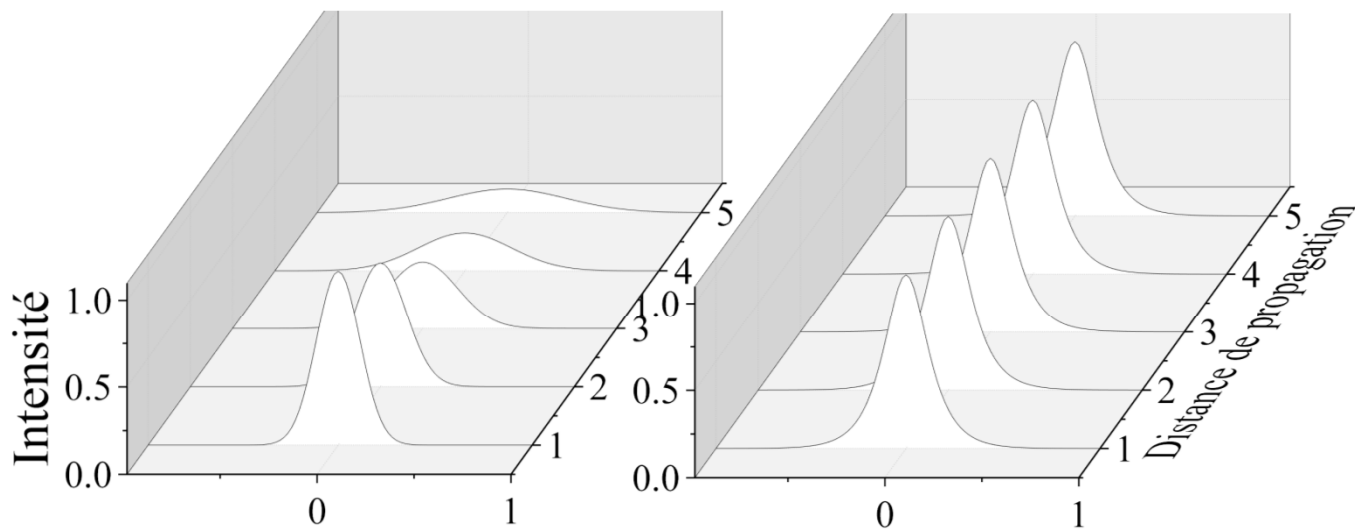


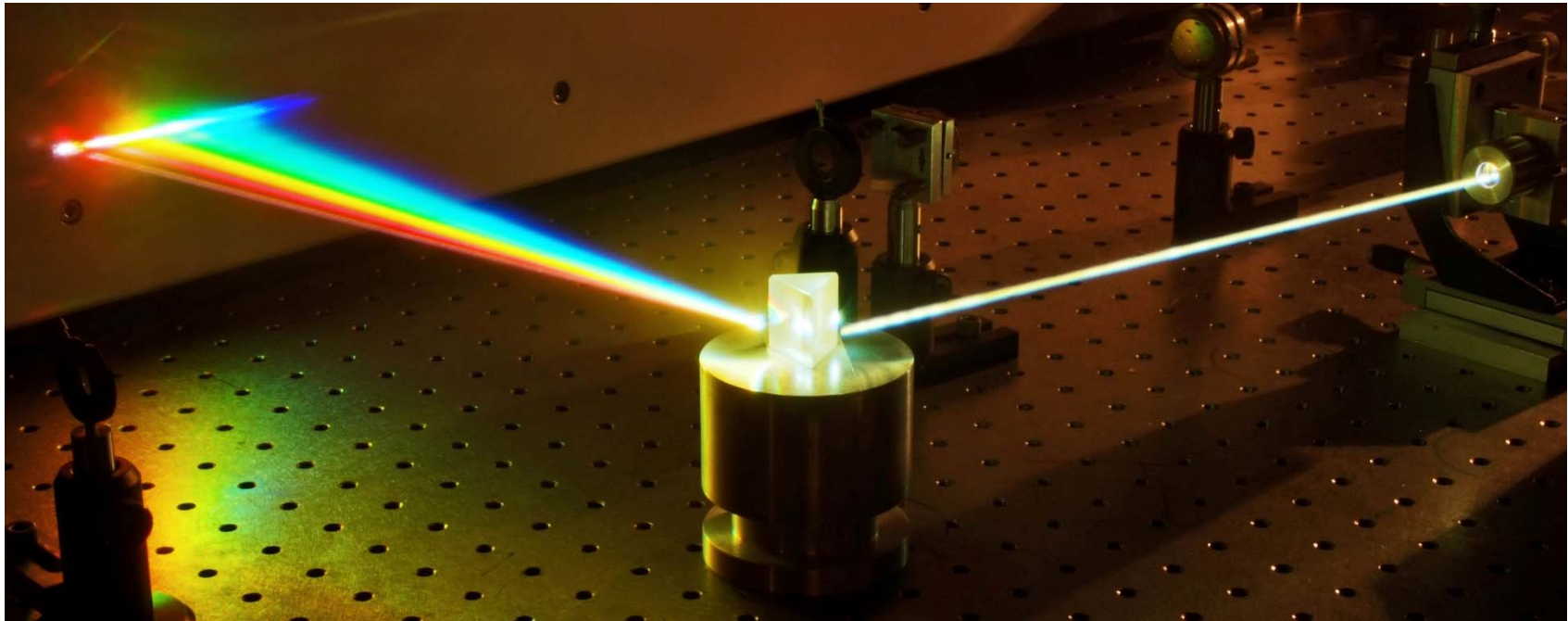
--- Fréquence instantanée
— Impulsion



SOLITON :
$$A(\tau) = \frac{e^{-ik_0''z/T_0^2}}{ch(\tau/T_0)}$$



White-light continuum generation



LOB 2009

Continuum generation in a fibre

$$\frac{\partial A}{\partial z} + \frac{\alpha}{2}A - \sum_{k \geq 2} \frac{i^{k+1}}{k!} \beta_k \frac{\partial^k A}{\partial t^k} = i\gamma \left(1 + i\tau_{\text{shock}} \frac{\partial}{\partial t} \right)$$

$$\times \left[A(z,t) \left(\int_{-\infty}^{+\infty} R(t') |A(z,t-t')|^2 dt' + i\Gamma_R \right) (z,t) \right]$$

Dudley, JOSAB 2007

