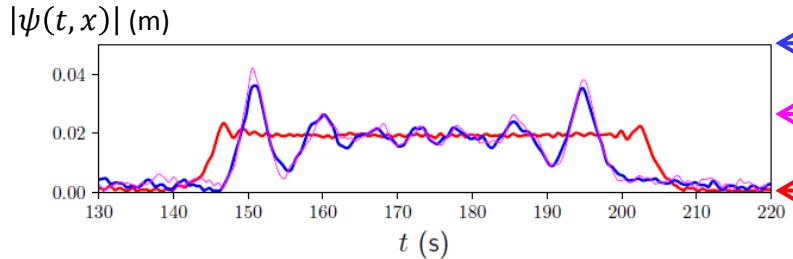


Observation expérimentale de la modulation non-linéaire contra-propagative des bords d'un train d'onde de gravité à la surface d'un fluide

Félicien Bonnefoy, Pierre Suret, Alexey Tikan, François Copie,
Gaurav Prabhudesai, Guillaume Michel, Annette Cazaubiel, Eric Falcon,
Gennady El et Stéphane Randoux



Envelope of the 60-s long wavetrain, red: experiment first probe ($x=6$ m), blue: experiment last probe ($x=120$ m), Magenta : simulation of NLSE ($x=120$ m) with initial condition taken as the first probe envelope (red signal)

$$\eta(t, x) = \psi(t, x) \exp i(\omega_0 t - k_0 x)$$

