Three-atom affects in quantum gases

 $\label{eq:paulo-Bedaque} \begin{picture}(100,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){10$

The physics of three atoms near a Feshbach resonance are full of surprises like the Thomas and Efimov effects and the renormalization of the three-body force towards a limit-cycle. We explore the consequences of three-body processes to the physics of quantum gases.