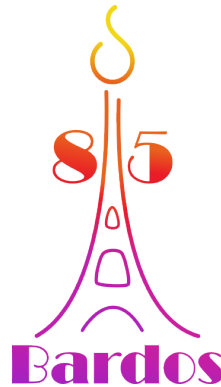


*Kinetic equations and turbulence*

# Trace estimates for transport kinetic equation: some applications of Claude's PhD results

Laure Saint-Raymond

Trace estimates are necessary to make sense of boundary conditions in PDEs. A major advance in Claude's PhD was to derive such trace estimates for kinetic transport equations. This talk will present the main ingredients of the proof, as well as some extensions used to construct solutions of important physical models (Boltzmann equation with diffusive boundary conditions, BBGKY hierarchy).



*In honor of Claude Bardos's 85th birthday*