## Quantum and stochastic physics of instable systems

## Radim Filip

Department of Optics, Palacky University Olomouc, 17. listopadu 1192/12, 77146 Olomouc, Czech Republic

The talk will present recent theoretical and experimental results in stochastic and quantum analysis of highly unstable systems including stochastic and quantum interference phenomena in cubic potential. The experimental data from quantum optics and optomechanics will be discussed.