From neutrons to arsenic and new mushroom species

Joint seminar of the NPI of the CAS

16. 10. 2025

Prof. Ing. Igor Jex, DrSc., FNSPE CTU Prague: *Quantum simulations and computing using light*

Abstract:

We review some of the possibilities to use linear optical networks to implement simulations of physical processes or quantum computation. In particular we focus on quantum walks and Gaussian boson sampling as examples of such processes. Some implications on trapping are mentioned as well.