

Seminarium Zakładu Fizyki Teoretycznej

Departament Badań Podstawowych
Narodowego Centrum Badań Jądrowych

21 lutego 2018 r. (środa), godz.12:15

pawilon NCBJ, sala 22, Hoża 69

dr Paweł ZIN

" EXACT QUANTUM DYNAMICS OF BOSE-FERMI SYSTEMS (QCD FOR EXAMPLE) VIA CLASSICAL FIELD STOCHASTIC EQUATIONS"

ABSTRACT:

In the last years, methods of mapping exact quantum dynamics of interacting bosons or fermions into classical field stochastic methods were invented. They were successfully used in numerical simulations of imaginary- and real- time dynamics of many systems. I will generalize these methods to treat Bose-Fermi systems. In particular, I will show how to exactly map QCD dynamics into classical stochastic equations.

Serdecznie zapraszamy,

M. Kowal, W. Piechocki, L. Roszkowski, J. Skalski, L. Szymanowski