**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*