SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Uprzejmie zawiadamiamy, że w **środę**

19 października 2022 r., o godz.10:00

odbędzie się seminarium **on-line (link podany jest na stronie IF PAN)**,

na którym

dr hab. Paweł Jakubczyk, prof. UW

(Institute of Theoretical Physics, Faculty of Physics, University of Warsaw)

wygłosi referat na temat:

"How relevant are fluctuations for the stability of long-range ordered phases? Role of the Lifshitz points"

Mean-field type analysis of interacting many-body systems often yield phase diagrams, which are not compatible with exact mathematical statements, such as the Mermin-Wagner theorem. I will review this aspect with major focus on systems hosting the Lifshitz point, where a uniform ordered phase (of ferromagnetic type) coexists with a non-uniform ordered phase (of antiferromagnetic type) and a normal phase (of paramagnetic type). I will illustrate the situation using mass and population imbalanced Fermi gases as an example.

The lecture will be given in English.

Serdecznie zapraszamy

Roman Puźniak
Andrzej Szewczyk
Henryk Szymczak