

SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Uprzejmie zawiadamiamy, że w **środę**

25 października 2017 r., o godz.10:00

w sali 203 (bud. 1) odbędzie się seminarium, na którym

Dr Andreas Hoser

Helmholtz-Zentrum Berlin für Materialien und Energie GmbH, Germany

wyłosi referat na temat:

„Crossover events in ordered magnets”

Crossover events are well known phenomena in Renormalization Group (RG) theory but were nearly not considered by experimentalists in the analysis of their experimental data. A crossover means a non-analytical, or functional, change in the temperature dependence of spontaneous magnetization, susceptibility, heat capacity etc. This indicates a fundamental change in the system such as a change of spin quantum number or lattice symmetry. If a crossover is overlooked and data are fitted by a monotonous function of temperature, imprecise or erroneous fit parameters are obtained. In particular, the rather unsystematic reported fit results for the critical exponents seem to be largely due to not identified crossover events in the critical range. In this seminar talk typical, mostly neutron scattering experimental examples of the various types of crossover events will be discussed.

Serdecznie zapraszamy

Roman Puźniak
Henryk Szymczak
Andrzej Wiśniewski