

SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA

Uprzejmie zawiadamiamy, że w **ŚRODĘ**

18 kwietnia br., o godz. 10:00

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

prof. Alexander M. Gabovich

Institute of Physics, National Academy of Sciences of Ukraine, Ukraine

wygłosi referat na temat:

**„Some wrong concepts in the conventional physics:
relativistic mass, finite photon mass
”**

Streszczenie

Some wrong concepts concerning relativity and quantum mechanics, which are widely represented in high school and university textbooks, are analyzed. The non-additivity of mass in relativistic physics is emphasized. Mass of an electromagnetic radiation in a cavity is considered using the correct relativistic approach based on the concept of a scalar mass not dependent on the particle (system) velocity. It is shown that due to the non-additivity of mass the ensemble of chaotically propagating mass-less photons in the cavity has a finite overall mass.

Serdecznie zapraszamy

Roman Puźniak

Henryk Szymczak

Andrzej Wiśniewski