

## **SEMINARIUM Z MAGNETYZMU I NADPRZEWODNICTWA**

Uprzejmie zawiadamiamy, że w **środę**

**16 czerwca 2021 r., o godz.10:00**

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

**Dr hab. Tomasz Sowiński, prof. IF PAN**

*(Instytut Fizyki PAN)*

wygłosi referat na temat:

**“Collectivity of pairing from the few-body physics perspective”**

In my talk, I will focus on one-dimensional mesoscopic systems with mutual attractive interactions and discuss recent theoretical and experimental concepts giving a route to a better understanding of conventional and unconventional pairing mechanisms. With special attention, I will address the problem of experimental detectability of correlations between quantum particles. Consequently, I will try to argue that state-of-the-art experiments with few ultracold fermions may break an impasse and serve pioneering and unquestionable verification of the existence of correlated pairs with non-zero center-of-mass momentum.

The talk is based on the mini-review paper: ArXiv:2105.13030.

**Serdecznie zapraszamy**

**Roman Puźniak  
Andrzej Szewczyk  
Henryk Szymczak**