

## SEMINARIUM FIZYKI JĄDRA ATOMOWEGO

Dnia **28.05.2020 r.** (czwartek) o godzinie **10:15** odbędzie się seminarium on-line, na którym wygłoszony zostanie referat:

### „Shape isomers and possible shape coexistence in Pt, Hg and Pb isotopes with $N \leq 126$ ”

**link do seminarium: <https://meet.google.com/afb-cwio-wum>**

Abstract: Deformation-energy surfaces of 54 even-even isotopes of Pt, Hg and Pb nuclei with neutron numbers up to 126 are investigated within a macroscopic-microscopic model based on the Lublin Strasbourg-Drop macroscopic energy and shell plus pairing-energy corrections obtained from a Yukawa-folded mean-field potential at the desired deformation.

A new, rapidly converging Fourier shape parametrization is used to describe nuclear shapes. The stability of shape isomeric states with respect to non-axial and higher-order deformations is investigated.

referuje: **prof. dr hab. Krzysztof Pomorski (Uniwersytet Marii Curie-Skłodowskiej, Lublin)**

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