



**Seminarium Zakładu Energetyki Jądrowej i Analiz Środowiska (UZ3)  
Departament Badań Układów Złożonych (DUZ)**

Wtorek: **18.02.2020**

**11:30**

**CYFRONET (bud. 39) – sala 172 (III piętro)**

**dr Orest Dorosh**

**From McChasy 1 to McChasy 2**

**Abstract:**

Rutherford backscattering spectrometry is used to determine the structure and composition of materials by measuring the backscattering of a beam of high energy ions (typically protons or alpha particles) impinging on a sample. Computer modeling of RBS is used for analysis of modeled structures created by molecular dynamics method.

The first version of McChasy software for Monte Carlo simulation of RBS/c spectra was created in early 90. But computer technology has evolved considerably over the past 25 years and new version McChasy 2 can be striped of previous limitation and enriched to new functions.

Serdecznie zapraszamy,  
M. Dąbrowski, T. Kwiatkowski

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