

**Seminarium Studium Doktoranckiego NCBJ
Poniedziałek, 27 listopada, godzina 9:00
Sala 22 w NCBJ, Hoża 69**

Speaker: Paweł Kowalski

Title: Characteristics of the J-PET detector simulated using GATE software

Abstract: Novel PET system based on plastic scintillators is developed by the J-PET collaboration. In order to determine performance characteristics of built scanner prototype, advanced computer simulations must be performed. These characteristics are spatial resolution, scatter fraction and sensitivity. Results of simulations of these characteristics will be presented during the lecture.