Contribution ID: 205

Type: Poster

THE INVESTIGATION OF HYDROGEN ATOMS CHANNELING IN NON-CHIRAL CARBON NANOTUBES WITH DIFFERENT RADII

Contact Phone

Abstract

The paper investigates hydrogen atoms channeling in non-chiral carbon nanotubes. It is shown that profiles of functions of densities probability of hydrogen atoms presence in nanotubes channels calculated accounting an angular dispersion, depend essentially on nanotubes radii.

Type of Book of Abstracts

Primary authors: Dr MAKSYUTA, N.V. (Taras Shevchenko National University of Kyiv); Dr EFIMENKO, S.V. (Taras Shevchenko National University of Kyiv); Dr VYSOTSKII, V.I. (Taras Shevchenko National University of Kyiv); Prof. MARTYSH, E.V. (Taras Shevchenko National University of Kyiv); Mr MAKSYUTA, Dmytro (Taras Shevchenko National University of Kyiv)

Presenter: Dr MAKSYUTA, N.V. (Taras Shevchenko National University of Kyiv)

Session Classification: Surface Physics, Nano- and Microelectronics

Track Classification: Surface Physics, Nano- and Microelectronics