

May 24, 2017

Session III

NUCLEAR POWER ENGINEERING PHYSICAL ENGINEERING

Chair: doc. Ing. Gabriel Farkas, PhD.

09:00 - 11:00

Thickness Effect of TiO₂ Anatase for Fast-Charging Li Ion Batteries

Ivan Kundrata (SAS, Ghent University, UJFI)

Influence of Thermal Annealing on Refractive Index of Monolayer Flakes of Graphene Oxide

Peter Hutár (UJFI)

Qualitative and Quantitative Analysis of MoS₂ Thin Layer Deposited on Si-wafer Using LIBS Technique

Júlia Miškovičová, Michal Anguš, Gulab Singh Maurya, Simona Töröková, Michal Bodík, Peter Šiffalovič, Eva Majková and Pavel Veis

Simulation Model for Positron Annihilation Lifetime Spectroscopy Geometry Optimization

Matúš Saro, Martin Petriska, Vladimír Slugeň (UJFI)

Radionuclide Diffusion in a Bentonite Buffer in the Near Field of the Geological Repository

Dana Barátová and Vladimír Nečas (UJFI)

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Methodology of Source Term Determination for Deep Geological Repository Purposes

Martin Launer and Vladimír Nečas (UJFI)

Nuclear Waste Canister Materials

Martin Jesenič and Vladimír Nečas (UJFI)

Analysis of the Influence of Parameter Changes in Deep Geological Repository

Dorota Flamíková (UJFI)

In-situ LIBS Analysis of W+2%La in Different Environment and Experimental Parameters

Gulab Singh Maurya, Klára Belešová, Michal Anguš, Júlia Miškovičová, Mária Suchoňová and Pavel Veis