

PŘEHLED PUBLIKAČNÍ ČINNOSTI

Publication Activity Overview

Seznam publikovaných prací:

Publikace související s DP publikované (nebo přijaté k publikaci) s afiliací FJFI ČVUT v impaktovaném časopise (dle WoS) v přehledu označit.

List of publications:

In the list, mark publications related to the dissertation published (or accepted for publication) with the affiliation of FJFI ČVUT in a journal with IF (according to WoS).

Publikace v odborných časopisech s impact faktorem:

Publications in Scientific Journals with Impact Factor:

1. **J. Matoušková**, B. Schillinger, L. Sklenka: New Neutron Imaging facility NIFFLER at Very Low Power Reactor VR-1, JOURNAL OF IMAGING Vol. 9 (2023), ISSN 2313-433X, **Impact factor:** 3.2.
2. **J. Matoušková**, B. Schillinger, L. Sklenka: Development of a Neutron Imaging Facility at the Very Low Power Reactor VR-1, JOURNAL OF PHYSICS CONFERENCE SERIES, Vol. 2605 (2023), ISSN 1742-6596, **Impact factor:** 0.21.
3. B. Schillinger, N. Geerits, T. Juenger, **J. Matoušková**, T. Neuwirt, F. Oppermann, S. Sebold and S. Sponar: Flexible camera detector box design using 3D printers, JOURNAL OF PHYSICS CONFERENCE SERIES, Vol. 2605 (2023), ISSN 1742-6596, **Impact factor:** 0.21.
4. **J. Matoušková**, J. Marin, T. Juenger, F. Oppermann, F. Sanchez, S. Sebold, B. Schillinger, L. Sklenka: New Detector Design of STORNI Neutron Imaging Facility at RA-6 Research Reactor, NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT, Vol. 1056(2023), ISSN 1872-9576, **Impact factor:** 1.4.
5. **J. Matoušková**, L. Sklenka, B. Schillinger: Investigation of Buddhist and Bon Votive Statues at the Very Low Power Reactor VR-1, NUCLEAR INSTRUMENTS AND METHODS IN PHYSICS RESEARCH SECTION A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT, Vol. 1060 (2024), ISSN 1872-9576, **Impact factor:** 1.4.

Ostatní publikace:

Other Publications:

1. **J. Matoušková**, O. Huml: Monte Carlo method for determining the uncertainty of the multiplication coefficient due to the uncertainty of the isotopic composition of spent nuclear fuel (in Czech), 20. MIKULÁŠSKÉ SETKÁNÍ MLADÉ GENERACE ČESKÉ NUKLEÁRNÍ SPOLEČNOSTI, (2020).
2. **J. Matoušková**: Neutron imaging at the VR-1 reactor (in Czech), PRAŽSKÁ TECHNIKA, (1/2022) ISSN 1213-5348.
3. L. Sklenka, **J. Matoušková**: 65 years of nuclear education and research at the Nuclear Faculty (in Czech), JADERNÁ ENERGIE, (4/2021) ISSN 2694-9024.

Prezentace na vědeckých konferencích

Presentations at Scientific Conferences:

1. **J. Matoušková**, B. Schillinger, L. Sklenka: Neutron Imaging at Low and Medium Flux Neutron Sources, INTERNATIONAL CONFERENCE ON RESEARCH REACTORS: ACHIEVEMENTS, EXPERIENCE AND THE WAY TO A SUSTAINABLE FUTURE, Jordan (2023). Invited speaker - postponed to 2024.
2. L. Sklenka, **J. Matoušková**: Development of National Strategy for Decommissioning of Research Reactors in the Czech Republic, INTERNATIONAL CONFERENCE ON RESEARCH REACTORS: ACHIEVEMENTS, EXPERIENCE AND THE WAY TO A SUSTAINABLE FUTURE, Jordan (2023). - postponed to 2024.
3. L. Sklenka, M. Stefanik, **J. Matoušková**: The VR-1 Nuclear Experimental Hub – how a very low-power research reactor can serve the neutron science and applications community, NEUTRONS4NA: CONSULTANCY MEETING ON THE DEVELOPMENT OF A NEW INITIATIVE ON USING NEUTRONS FOR NUCLEAR SCIENCES AND APPLICATIONS, Vienna (2023).
4. B. Schillinger, **J. Matoušková**, H. Ben-Abdelouahed, K. Kanaki, N. Skukan: Neutron generators: From logical assumptions to totally different behaviour, NEUWAVE-11: THE 11TH WORKSHOP ON NEUTRON WAVELENGTH DEPENDENT IMAGING, Tokyo (2023).
5. **J. Matoušková**: NIFFLER – Facility for Neutron Imaging at Training Reactor VR-1, FOURTH FRENCH-CZECH BARRANDE NUCLEAR RESEARCH WORKSHOP, Mont Saint Michel (2023). Invited speaker.

6. L. Sklenka, **J. Matouskova**: Decommissioning of Research Reactor in Czech Republic, NUSIM 2023, Czech Republic (2023).
7. **J. Matouskova**, B. Schillinger, L. Sklenka: Development of Neutron Imaging Facility at Very Low Power Reactor VR-1, ITMNR-9: THE 9TH INTERNATIONAL TOPICAL MEETING ON NEUTRON RADIOGRAPHY, Buenos Aires (2022).
8. B. Schillinger, N. Geerits, T. Jünger, **J. Matouskova**, T. Neuwirth, F. Oppermann, S. Sebold, S. Sponar: Flexible camera detector box design using 3D printers, ITMNR-9: THE 9TH INTERNATIONAL TOPICAL MEETING ON NEUTRON RADIOGRAPHY, Buenos Aires (2022).
9. **J. Matouskova**: New Neutron Imaging Facility at Very Low Power Research Reactor VR-1, ŠIMÁNĚ 2022: INTERNATIONAL STUDENT CONFERENCE ON NUCLEAR ENGINEERING, Prague (2022).
10. **J. Matouskova**: New Neutron Imaging System at the CTU Training Reactor VR-1, AUNIRA 2021 – TRAINING WORKSHOP ON THE ADVANCED USE OF NEUTRON IMAGING FOR RESEARCH AND APPLICATIONS, online (2021). Invited speaker.
11. **J. Matouskova**: Development of Neutron Imaging Facility at Training Reactor VR-1, ŠIMÁNĚ 2021: INTERNATIONAL STUDENT CONFERENCE ON NUCLEAR ENGINEERING, Prague (2021).
12. **J. Matouskova**: Monte Carlo method for determining the uncertainty of the multiplication coefficient due to the uncertainty of the isotopic composition of spent nuclear fuel (in Czech) ŠIMÁNĚ 2020: INTERNATIONAL STUDENT CONFERENCE ON NUCLEAR ENGINEERING, Prague (2020).
13. **J. Matouskova**, O. Huml: Monte Carlo method for determining the uncertainty of the multiplication coefficient due to the uncertainty of the isotopic composition of spent nuclear fuel, (in Czech) 20. MIKULÁŠSKÉ SETKÁNÍ MLADÉ GENERACE ČESKÉ NUKLEÁRNÍ SPOLEČNOSTI, online (2020).