Dimitrios Papanikolaou - Curriculum vitae

PERSONAL INFORMATION

Name	***Dimitrios Papanikolaou***
e-mail address	dimitrpapanik@gmail.com
Phone number	***+30 6980157284***
Date of birth	*20/01/1999*
Nationality	*Greek*

ACADEMIC INTERESTS

- ***Experimental Nuclear Physics***
- ***Nuclear Astrophysics***
- ***Neutron Physics***
- ***Neutron-induced reactions***
- ***Detector Physics***

EDUCATION

Oct. 2022 – July 2024

Master in Experimental Physics

University of Ioannina Ioannina, Ioannina (Greece)

Thesis Title: "Neutron capture reactions for nuclear astrophysics: Development & characterization of an innovative detection setup based on trans-Stilbene organic scintillators"

Grade: 9.08 / 10.0

Jan. 2024

n_TOF Nuclear Physics Winter School 2024 St. Gervais les Bains, France

Oct. 2023 – Dec. 2023

Erasmus+ Traineeship DFA, University of Catania

Project: Assembly and characterization of solid-state Stilebene detectors for n-gamma capture measurements

2017 - 2022

Bachelor in Physics

University of Ioannina, Ioannina (Greece)

Thesis Title: "Study of HPGe detector shielding for use in inelastic neutron scattering experiments at the n_TOF/CERN facility"

DIGITAL SKILLS

Operating Systems

- **Windows**
- **Linux/Unix**

Programming languages

- Good knowledge of **Python, C/C++**
- Basic knowledge of **IDL, Octave, HTML/CSS**

Scientific Software

- **ROOT** (Data analysis)
- **GEANT4** (Particle transport code)
- **LabVIEW** (Graphical programming environment)
- Fiji - **ImageJ** (Image processing package)

Other software

- **Microsoft Office Suite** (Word, PowerPoint, Excel)
- **LibreOffice** (Writer, Impress, Calc)

ACADEMIC EXPERIENCE

Lab-work

- **Assistant in laboratory courses** in modern physics
  University of Ioannina, Ioannina (Greece)

Teaching experience

- **Tutoring support and analysis consultation** for undergraduate diploma thesis submission

OTHER SKILLS / LANGUAGES

Soft skills

- **Attention to detail | Communication**
  Quick Learner | Adaptable | Punctual
  Problem Solving | Organized

Mother tongue

- **Greek**

Foreign languages

- **English** - Certificate of Proficiency in English, University of Michigan (**C2**)
- **German** - Goethe Institute (**B1**)

CONFERENCES / SEMINARS

27 - 28 Sept. 2024

D. Papanikolaou, A. Musumarra, M. G. Pellegriti, N. Patronis, "Neutron capture reactions for nuclear astrophysics: Development & characterization of an innovative detection setup based on trans-Stilbene organic scintillators" - **HNPS2024** (**Abstract submitted**)

22 - 27 Sept. 2024

A. Musumarra, M.G. Pellegriti, N. Patronis and D. Papanikolaou, "SOLARIS" a neutron tracker for the next generation solar missions - **ANP2024 (Abstract accepted)**

31 May - 1 June 2024

7th International Workshop of the Hellenic Institute of Nuclear Physics (**HINPw7**), University Ioannina

7 - 8 Oct. 2022

Poster Presentation - D. Papanikolaou et al., "Study of HPGe detector shielding for use in inelastic neutron scattering experiments at the n_TOF/CERN facility", **HNPS2022**

15 - 18 May 2018

17th Panhellenic Conference of the Association of Greek Physicists - Physics Meets Society, Thessaloniki

PUBLICATIONS IN CONFERENCE PROCEEDINGS

D. Papanikolaou et al., HNPS 2022, "Study of HPGe detector shielding for use in inelastic neutron scattering experiments at the n_TOF/CERN facility". (2022 - submitted)

A. Musumarra, D. Papanikolaou, HINPw7 2024, "Towards the next generation of detectors for n-γ capture reactions at n_TOF" (2024 - submitted)

Last updated: August 2024

AUTHORIZATION FOR THE TREATMENT OF PERSONAL DATA:

I, the undersigned, **Papanikolaou Dimitrios**, authorize the treatment of my personal data contained in my curriculum vitae according to the regulation in force.

SIGNATURE:

[Date]: 08/08/2024