

# Dimitrios Papanikolaou - Curriculum vitae

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## PERSONAL INFORMATION

Name **Dimitrios Papanikolaou**  
e-mail address [dimitrpapanik@gmail.com](mailto: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 Stilbene 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

7<sup>th</sup> 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

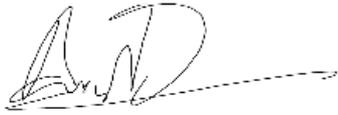
→ **D. Papanikolaou** et al., HNPS 2022, “Study of HPGe detector shielding for use in inelastic neutron scattering experiments at the n\_TOF/CERN facility”. (2022 - submitted)

→ **A. Musumarra**, **D. Papanikolaou**, HINPw7 2024, “Towards the next generation of detectors for n- $\gamma$  capture reactions at n\_TOF” (2024 - submitted)

**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:**

A handwritten signature in black ink, appearing to be the initials 'AD' followed by a long horizontal stroke.

[Date]: 08/08/2024