

Maria Peoviti

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Phone: 26510 08527

Date of birth: 04/05/1995

EDUCATION

PhD Candidate

University of Ioannina

Date: 10/2021 - to date

Thesis title: Study of (p,γ) reactions of nuclear astrophysics interest on medium-weight nuclei

M.Sc. in Experimental Physics

University of Ioannina

Date: 10/2019 - 06/2021

Thesis title: HPGe detectors characterization and feasibility study for cross section measurements of neutron induced reactions on mid-weight nuclei at INPP/NCSR "Demokritos"

B.Sc. in Physics

University of Ioannina

Date: 09/2013 - 06/2019

Thesis title: Characterization of the GEM80 detector using the GEANT4 detector simulation toolkit

LANGUAGES

Mother tongue: Greek

Other Languages: English (C2 - University of Michigan), German (B2 - Goethe Institut)

COMPUTER SKILLS

Programming languages: C, C++, IDL (basic knowledge), Python (basic knowledge)

Operating Systems: Windows, Unix/Linux

Scientific software: ROOT, GEANT4, TALYS, tv, Origin, Mathematica

Other software: LaTeX, Microsoft Office Suite (Word, PowerPoint, Excel)

**LAB
EXPERIENCE**

HPGe detector Efficiency Tests
Tandem Accelerator Laboratory, NCSR Demokritos, Athens

01/11/20 - 20/12/20

**Study of the $^{165}\text{Ho}(n, 2n)^{164}\text{Ho}^{g-m}$ reaction
at near threshold energies**

NCSR Demokritos, Athens

04/18

**PUBLICATIONS
in peer-reviewed
journals**

E. Georgali, ... M. Peoviti, ...

“Experimental study of the $^{165}\text{Ho}(n, 2n)$ reaction: Cross section measurements for the population of the ^{164}Ho ground state and isomeric state from the threshold up to 20 MeV”

Phys.Rev. C 102, 034610 (2020).

DOI: 10.1103/PhysRevC.102.034610

**PUBLICATIONS
in conference
proceedings**

M. Peoviti et al.,

“Characterisation of the new HPGe detectors at INPP/NCSR “Demokritos”... and future (n,2n) reactions to be studied”

HNPS Advances in Nuclear Physics (2021 - submitted)

E. Georgali, ... M. Peoviti et al.

“Characterisation of the Canberra BE5030 broad energy high purity germanium detector by means of the GEANT4 simulation toolkit”

HNPS Advances in Nuclear Physics 27, 152-154 (2020)

E. Georgali, ... M. Peoviti et al.

“Study of the $^{165}\text{Ho}(n, 2n)^{164}\text{Ho}$ reaction at near threshold energies”

HNPS Advances in Nuclear Physics 27, 160-157 (2020)