



Vladislav Todorov

Physicist

Personal Data

Date of Birth, Birthplace 23 September 1998, Svishtov, Bulgaria
Nationality Bulgarian
Current position Physicist at Metrology of Ionizing Radiation Laboratory, Faculty of Physics, Sofia University
Work Address 5 James Bourchier, Sofia, Bulgaria
Websites [Google Scholar](#), [Research Gate](#), [Personal website](#)

Work Experience

2020 – present, Sofia, Bulgaria **Physicist at the Metrology of Ionizing Radiation laboratory.**
Department of Atomic Physics at Sofia University “St. Kliment Ohridski”

- Development of scintillation detectors
- Data analysis

Education

2021 – present, Sofia, Bulgaria **Master’s student in Medical Physics.**
Sofia University, Faculty of Physics, Department of Atomic Physics
2017 – 2021, Sofia, Bulgaria **Bachelor’s degree in Medical Physics.**
Sofia University, Faculty of Physics, Department of Atomic Physics

- Thesis: *A study of plastic scintillators for measuring ^{222}Rn*

Computer skills

Programming Languages PYTHON (Familiar with *Pandas*, *NumPy*, *SciPy*, *Matplotlib*, *Plotly*, *Selenium*)
Software **FreeCAD** – very good level
Simplify3D – very good level
L^AT_EX – intermediate level
Linux, Microsoft Windows – general knowledge

Sofia, Bulgaria

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Languages

Bulgarian **Native**

English **Level C1 — C2**

German **Level A2**

Certificates: CAE

Scientific Projects

Jan 2020 – **TDCX “Novel radioactivity measurement techniques based on fast timing, digitization, coincidence and cross-correlation measurements”**.
present, Sofia, Bulgaria

- Development and characterization of scintillation detectors
- Characterization of plastic scintillators for measuring ^{222}Rn

Dec 2020 – **SPIRAD “Surveillance and Perusal of Indoor Radon Dynamics”**.
present, Sofia, Bulgaria

- Calibration of commercial active detectors for measuring ^{222}Rn in dwellings and workplaces