

# Tufan ERDOĞAN

Date of birth: 26/04/2004 | Gender: Male | Email address: [23050489@ogrenci.ankara.edu.tr](mailto:23050489@ogrenci.ankara.edu.tr)

## EDUCATION & TRAINING

30/11/2022 - Current - ANKARA, TÜRKİYE

**PHYSICIST**- ANKARA UNIVERSITY

Field(s) of study: Natural sciences, mathematics and statistics | Level in EQF: 6 | Website:

<https://physics.science.ankara.edu.tr>

## WORK EXPERIENCE

01/08/2025 - ANKARA, TÜRKİYE

**RESEARCHER ADVISED BY DR. SINAN KUDAY (CERN)**

-Developing a Geant4 simulation framework to optimize Lithium and alpha particle production

-Authoring the first-authored manuscript: "*Optimizing  $7\text{Li}$  and Alpha Productions via Boron Irradiations Induced by Photonuclear Neutrons Generated in Electron Linacs.*" Expected submission: (06/2026)

30/11/2023 - CURRENT - ANKARA, TÜRKİYE

**STUDENT ASSISTANT** ANKARA UNIVERSITY PHYSIC DEPERTMANT

- Processed and analyzed survey data to identify key trends, utilizing [Excel/SPSS/Google Forms] to generate comprehensive performance reports for management.
- Streamlined the institutional filing system by organizing physical archive.

## SKILLS

Geant4 | C++ | Root | LAtex | MATLAB

## LANGUAGE SKILLS

Mother tongue(s): **TURKISH**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
İNGİLİZCE	B2	B2	B2	B2	B2

## RECOMMENDATIONS

**Sinan KUDAY** Mentor

Email [kuday@cern.ch](mailto:kuday@cern.ch)