

EDUCATION

2021 -	Ph.D. in Physics Supervisor: Prof. Paolo Panci <i>Thesis Title: Selective study on dark matter</i>	UNIVERSITY OF PISA
2018 - 2021	M.Sc in Physics - Gravitation and Cosmology Supervisor: Prof. Mohammad Nouri-Zonoz <i>Thesis Title: Focusing theorem, energy conditions, and deSitter-type spacetimes</i>	UNIVERSITY OF TEHRAN
2014 - 2018	B.Sc in Materials Science Advisor: Dr. Mehdi Ghasemi	UNIVERSITY OF TABRIZ

AWARDS & HONORS

2023	Grant for a research period abroad at IFIC, Valencia (January-June 2024)
2022	Grant for holding a Conference (University of Pisa) - DarkCosmoGrav23
2021	Ph.D. Scholarship (University of Pisa)
2021	Ranked 2nd among the gravitation & cosmology class 2018 - (GPA: 16.02/20)
2018	Ranked among the top 1% of students in the MSc entry exam for physics

PUBLICATIONS

[1]	Bounds on Ultralight Dark Matter from NANOGrav, Phys.Rev.D 109 (2024) M. Aghaie, Giovanni Armando, Alessandro Dondarini, Paolo Panci	arXiv: 2308.04590
[2]	Axion Dark Matter from Heavy Quarks, Phys.Lett.B 856 (2024) M. Aghaie, G. Armando, A. Conaci, A. Dondarini, P. Matak, P. Panci, Z Sinska, R. Ziegler	arXiv: 2404.12199
[3]	Gamma-ray lines from Minimal Dark Matter M. Aghaie, G. Armando, A. Dondarini, D. Gaggero, P. Panci	arXiv: 2409.#### (In Preparation)
[4]	Null geodesics and optical scalars in deSitter-type spacetimes M. Aghaie, J. Koohbor, A. Parvizi, M. Nouri-Zonoz	arXiv: 2410.#### (In Preparation)

SELECTED PRESENTATIONS

Sep 2024	DESY Theory Workshop 2024: Whispers from the Dark Universe (Hamburg) Bounds on Ultralight Dark Matter from NANOGrav	Talk
July 2024	IPM weekly Seminar (Tehran) Minimal Dark Matter and its Indirect Detection	Seminar
June 2024	Nordic meeting on Dark Matter searches (Bergen) Indirect detection of minimal dark matter quintuplet	Talk
May 2024	IFIC Weekly meeting (Valencia) Dark Matter and Indirect Detection	Talk
May 2024	31st IPM Physics Spring Conference (Tehran) Hunting minimal dark matter quintuplet	Talk
May 2024	New Physics Directions in the LHC era and beyond (Heidelberg) Hunting minimal dark matter quintuplet	Poster & Lightning Talk
Nov 2023	GraSP 2023 (Pisa) Bounds on Ultralight Dark Matter from NANOGrav	Poster

CONFERENCES

- 2023 ICTP School on Particle Physics, Trieste, Italy
- 2023 Third EuCAPT symposium, CERN
- 2023 GGI school on the Theory of Fundamental Interactions, Firenze, Italy
- 2022 Workshop on the Standard Model and Beyond, Corfu
- 2020 Workshop on New Trends in Dark Matter, Virtual, ICTP
- 2020 Identification of Dark Matter (IDM 2020), Virtual, CernZoom
- 2019 Gravitational Waves: New Challenges and Opportunities, TUBITAK TUSSIDE facilities in Gebze, Turkey

SPECIAL SKILLS

- Fermi-LAT ScienceTools

LANGUAGES

Azerbaijani Turkish (Mother Tongue)
Italian (Beginner)

Persian (Native)
German (Beginner)

English (Fluent)

REFERENCES

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Dr. Daniele Gaggero

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