

Nhut Truong

Max Planck Institute for Astronomy (MPIA)
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Past and current Positions:

- 07/2020-present: postdoctoral researcher at Max Planck Institute for Astronomy (MPIA), Heidelberg, Germany.

Mentor: Dr. Annalisa Pillepich

- 09/2017- 06/2020: postdoctoral researcher

Hungarian Academy of Science (MTA)-Eötvös Loránd “Lendület Hot Universe” research group, Budapest, Hungary

Mentor: Dr. Norbert Werner

- 04-07/2017: short-visiting researcher at *Theoretical Physics group, Institute For Disciplinary Research in Science and Education (IFIRSE, Vietnam)*

Education:

- 12/2016: Ph.D. in Astrophysics, University of Rome “*Tor Vergata*”, Italy.

Supervisor: Prof. Pasquale Mazzotta, Co-supervisor: Dr. Elena Rasia

Thesis title: “*Galaxy Clusters: Evolution of Baryonic Properties via Hydrodynamic Simulations*”

- 09/2013: Master Degree in Science within the Astromundus Master Program, Cum Laude, University of Padova, Italy.

- 09/2010: Bachelor of Science in theoretical physics, very good, University of Science, Ho Chi Minh City, Vietnam.

Research Interests:

- Galaxy formation and evolution: circum-galactic medium, intra-cluster medium.
- Supermassive black holes growth and feedback.
- Synthetic X-ray observations.

List of publications:

- 11 published papers: **5** first-author, **1** second-author, **5** co-author.
- Total citations: **204**. H-index: **8**.
- See full list of publications on: [ADS](#), [ORCID](#)

Reviewing Activities:

- Chandra Peer Review Panelist 2021.
- Reviewer for the Astrophysical Journal (ApJ).

Collaborations and Panelists:

- External eROSITA collaborator (official status expected soon).
- Member of the ATHENA Topical panel/Working Group SWG1.1: Evolution of galaxy groups and clusters.
- IllustrisTNG collaborator.

Academic References:

- Dr. Annalisa Pillepich (MPIA, postdoc mentor)
- Dr. Norbert Werner (Masaryk University, postdoc mentor)
- Prof. Lars Hernquist (ITC CfA, close collaborator)

Recent Talks:

- 07/2021: contributed talk at European Astronomical Society Annual Meeting (virtual EAS 2021).
- 04/2021: contributed talk at Royal Astronomical Society Specialist Meeting on Circumgalactic Medium.

Awards and Fellowships

- 2013: Fellowship in the Joint Ph.D. Programme in Astronomy, Astrophysics, and Space Science, organized by University of Rome “*La Sapienza*”, University of Rome “*Tor Vergata*”, and INAF.
- 2011: Erasmus Mundus Fellowship in the Astromundus Master Programme in Astronomy and Astrophysics.
- 2010: **CERN** Summer School Scholarship.

Scientific Skills

- High Performance Computing: parallel computing.
- Programming Languages: IDL, Python.
- Cosmological tools: CAMB, CosmoMC, CLASS.
- Experienced in analysing large data sets from cosmological simulations.
- Experienced in Bayesian analysis.

Languages

- Vietnamese: mother tongue.
- English: advanced.
- Italian: basic.