

MINH NGOC LE

lmngoc1509@gmail.com

EDUCATION

- 2020 - present **National Tsing-Hua University, Taiwan**
MSc. in Astronomy (expected)
(Ongoing) Thesis: Globular Clusters formed inside Dark Matter Halos
Supervisor: Dr. Andrew Cooper
GPA: 4.15/4.3
- 2018 **University of Science, Vietnam National University in Ho Chi Minh City**
BSc. in Physics, major: Theoretical Physics
Thesis: Inflation via Higgs-Dilaton potential in Two-Time Physics
Supervisor: Dr. Vo Quoc Phong

RESEARCH EXPERIENCES

- 2019 **Internship at Academia Sinica Institute of Astronomy and Astrophysics, Taiwan**
Advisor: Dr. Teppei Okumura
Topic: Finite volume effect on the velocity correlation statistics

PRESENTATIONS

- 2020.01 **Seminar: Velocity correlation function: discrepancies between simulation and theory prediction**
at International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam.
- 2019.12 **Lunch talk: Velocity correlation function: discrepancies between simulation and theory prediction**
at Academia Sinica Institute of Astronomy and Astrophysics
- 2019.08 **Oral presentation: "Inflation via Higgs-Dilaton potential in Two-Time Physics"**
at 15th Rencontres du Vietnam: Cosmology 2019
International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam.
- 2019.02 **Poster presentation: "Inflation Scenarios via Dilaton in Two-Time Physics"**
at 2019 Asian-Pacific Winter School and Workshop on Gravitation and Cosmology
Yukawa Institute for Theoretical Physics, Kyoto University, Japan.

SCHOLARSHIPS

National Tsing Hua University Outstanding Students Scholarship	school year 2021 - 2022
National Tsing Hua University Outstanding Students Scholarship	school year 2020 - 2021
Vu Dinh Lieu scholarship for students from Tra Vinh province	2016 and 2017
University of Science VNU-HCM Outstanding Scholarship	school year 2015 - 2016
Dong Hanh Association Scholarship	school year 2015 - 2016

TECHNICAL SKILLS

Computer Languages	C ⁺⁺ , Python, FORTRAN
Software & Tools	Unix/Linux, Mac OS, \LaTeX
Cosmo/Astrophysical tools	CLASS, Corrfunc, AstroPy
Languages	English (TOEFL iBT 91), Vietnamese (mother-tongue)

SCHOOLS & WORKSHOPS

- 2021.01 **NCTS Astronomy Winter School: High Energy Astrophysics**
at National Center for Theoretical Sciences - Physics Division,
National Tsing-Hua University, Taiwan.
- 2020.12 **NCTS Annual Theory Meeting 2020: Particles, Cosmology and String**
at National Center for Theoretical Sciences - Physics Division,
National Tsing-Hua University, Taiwan.
- 2020.02 **School on Magnetic Fields: Origins, Effects, and Observations of Magnetic Fields in the Universe**
at International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam.
- 2019.12 **APCTP School and Workshop on Gravitational Wave Cosmology**
at Academia Sinica Institute of Physics, Taiwan
- 2019.07 **Vietnam School on Neutrino 2019 (VSON 3)**
at International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam
- Studied Neutrino theory and experiments (T2K, KEK)
 - Small project report: "Seesaw mechanism, Leptogenesis and the Matter-Antimatter asymmetry"
 - Advisor: Prof. Jean-Marie Frere.

- 2018.08 **Vietnam School of Physics 2018 (VSOP 24): Particles and Cosmology**
 at International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam
- Studied Quantum Field Theory, Standard Model of Particles Physics (SM), Monte Carlo methods, Experimental methods for collider searches at the LHC, Cosmology and Dark matter.
- 2018.07 **Vietnam School of Astrophysics 2018 (VSOA 6): Cosmology**
 at International Center for Interdisciplinary Science and Education, Quy Nhon, Vietnam
- Studied General Relativity, Inflation, Nucleosynthesis, Dark Matter and Structure Formation.
- 2018.07 **Certificate of Participation: Theoretical and Computational Astrophysics Seminar**
 at University of Science - Vietnam National University in Ho Chi Minh City
 by Prof. Miguel A. de Avillez, Erasmus+ program.
- 2016.12 **Certificate of Achievement: the course of Symmetry and Invariance in Physics**
 at University of Science - Vietnam National University in Ho Chi Minh City
 by Prof. Amaury Mouchet, Erasmus+ program
- Studied Symmetry in Classical & Quantum Physics.

OTHER ACTIVITIES

- 2019 - 2020 **Part-time STEM teacher at Ephata Summer School and STEMax**
- Engaged students from 10 - 15 years old in science learning,
 - Instructed students to do simple Physics - Chemistry experiments
- 2016 **Head of the Organizing Committee, the Racer Hero contest**
- a contest for undergraduate and high school students: programming controlling cars using Arduino.
- Planned the format of Racer Hero contest,
 - Leader of communication and advertisement team
- 2015 - 2016 **Chairperson of NES Academic Club**
- Department of Physics, University of Science VNU - HCM
- Organized club discussions on Physics in English,
 - Organized an astronomy observation activity for students in Physics Department,
 - Responsible for recruiting new members.