

Name	NGUYEN Tri Toan Phuc		
Position	Lecturer, Department of Nuclear Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Master Degree	University of Science, VNUHCM	2018
	Undergraduate/Bachelor Degree	University of Science, VNUHCM	2015
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Assistant lecturer	Faculty of Physics - Engineering Physics	2021-2024
	Lecturer	Faculty of Physics - Engineering Physics	2024-present
Research and development projects over the past 5 years	<i>Name of project or research focus</i>	<i>Body funding</i>	<i>Role/ Period</i>
	Study of nuclear structure with proton-induced knockout reactions at intermediate energies.	University of Science, VNUHCM	Leader 2021-2022
	Physics Development Program until 2020: Study of nuclear structures and reactions on large devices of advanced accelerator facilities around the world.	Ministry of Science and Technology (MOST)	Member 2018-2021
	Microscopic study of radiative nucleon capture (p, γ) at low energies in nuclear mean-field formalism.	Vietnam Atomic Energy Institute (VINATOM)	Member 2019-2021
	Consistent study of the nuclear scattering and equation of state of nuclear matter based on the microscopic nuclear mean field.	NAFOSTED	Member 2018-2021

	Study of the alpha cluster effects in the direct nuclear reactions.	NAFOSTED	Member 2017-2021
Industry collaborations over the past 5 years	<i>Project titles</i>	<i>Partners</i>	
	None	None	
Patents and proprietary rights	<i>Title</i>	<i>Year</i>	
	None	None	
Important publications over the last 5 years	<i>Selected recent publications from a total of approx.:</i> 1. Nguyen Tri Toan Phuc , Mengjiao Lyu, Yohei Chiba, Kazuyuki Ogata, Manifestation of the divergence between antisymmetrized-molecular-dynamics and container pictures of ⁹ Be via ⁹ Be(p,pn) ⁸ Be knockout reaction, Physics Letters B, 819, 136466 (2021). 2. Nguyen Tri Toan Phuc , Kazuki Yoshida, Kazuyuki Ogata, Toward a reliable description of (p,pN) reactions in the distorted-wave impulse approximation, Physical Review C, 100, 064604 (2019). 3. Pham Thi Cam Lai, Vo Hong Hai, Nguyen Tri Toan Phuc , Impacts of Geant4 hadronic physics models on secondary particle productions in proton therapy simulations, Radiation Physics and Chemistry, 229, 112451 (2025). 4. Nguyen Tri Toan Phuc , Nguyen Hoang Phuc, Dao Tien Khoa, Nuclear rainbow of the symmetric nucleus-nucleus system: Interchange of the nearside and farside scattering, Physical Review C, 109, 064606 (2024). 5. Nguyen Hoang Phuc, Nguyen Tri Toan Phuc , Do Cong Cuong, Systematics of supernumerary nuclear rainbow in inelastic 16O + 12C scattering, Physical Review C, 110, 044608 (2024). 6. Le Hoang Chien, Nguyen Tri Toan Phuc , On the Bohr-Sommerfeld quantization condition and assault frequency in a semiclassical model for α decay, Nuclear Physics A, 1018, 122373 (2022).		
Activities in specialist bodies over the last 5 years	<i>Organization</i>	<i>Role</i>	<i>Period</i>
	None	None	None
Website	https://phys.hcmus.edu.vn/		