

Name	CHAU Van Tao		
Position	Prof. PhD, Department of Nuclear Physics		
Academic Career		<i>Institution</i>	<i>Year</i>
	Doctoral Degree	University of Science, VNUHCM	2000
	Master Degree	University of Science, VNUHCM	1993
	Undergraduate/Bachelor Degree	University of Science, VNUHCM	1983
Employment	<i>Position</i>	<i>Employer</i>	<i>Period</i>
	Lecturer	Faculty of Physics - Engineering Physics	1983-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>
	Researching one and multi-scattering part in scattering gamma method and evaluating them following the geometry parameters VNU-HCM	VNUHCM	Leader 2015-2017
	Evaluating the natural radioactivity and heavy elements in water samples for predicting the effects on health of the people	VNUHCM	Leader 2021-2023
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	<p><i>Selected recent publications from a total of approx.:</i></p> <p>1. Nguyen Hoang Minh; Tran Thien Thanh, Chau Van Tao... Study of different methods to estimate the Rayleigh to Compton scattering ratio and the effective atomic number ($10 < Z < 30$) using Si(Li) detector Nuclear Inst. and Methods in Physics Research, A 969(2020)163995</p> <p>2. Nguyen Anh Tuan, Chau Van Tao....; Bremsstrahlung Conversion efficiency and gamma-neutron generation from Polypropylene, Aluminum, Iron and lead bombarded by 10 MeV</p>		

	<p>electrons Nuclear Technology and Radiation protection 2020, Vol 36, No 1, pp 36-41(2020).</p> <p>3. Tran Thien Thanh, Huynh Dinh Chuong, Nguyen Duy Thong Phan Long Ho, Vo Hoang Nguyen, Chau Thanh Tai, Chau Van Tao Study of different methods to estimate the Rayleigh to Compton scattering ratio and the effective atomic number ($10 < Z < 30$) using Si(Li) detector Nuclear Inst. and Methods in Physics Research, A 969 (2020) 163995 (2020)</p> <p>4. Chau Van Tao, Truong Thi Hong Loan, Vo Hong Hai, Hoang Thi Kieu Trang, Tran Thien Thanh, Chau Thanh Tai COMET Phase-I technical design report Prog. Theor. Exp. Phys. 2020, 033C01 (102 pages)</p> <p>5. Le Hoang Minh, Le Quang Vuong, Tran Thien Thanh, Chau Van Tao Evaluating coincidence summing factor using marinelli beaker on coaxial HPGe detector by Monte Carlo simulation and calculating Nucl. Sci. and Tech., Vol.12, No. 1 (2022), pp. 49-55</p> <p>6. Chau Van Tao, Nguyễn Tri Toan Phuc Constraining the α-nucleus potential for α-decay calculation with nuclear rainbow scattering Science & Technology Development Journal, 25(1):1-9 (2022)</p> <p>7. Huynh Dinh Chuong, Chau Van Tao, Nguyen Duy Thong, Vo Hoang Nguyen, Nguyen Hoang Minh, Phan Long Ho, Tran Thien Thanh, Nguyen Thi Truc Linh Non-destructive evaluation of thickness of material plates through Compton back-scattering technique using Si(Li) detector Radiation Physics and Chemistry (2022), 109978</p> <p>8. Le Quang Vuong, Tran Thien Thanh, Le Cong Hao, Chau Van Tao Simultaneous correction of the coincidence summing and self-absorption for radioactivity measurement in solid samples by MCNP-CP code Journal of Radioanalytical and Nuclear Chemistry (2023)</p>		
<p>Activities in specialist bodies over the last 5 years</p>	<p>Organization</p>	<p>Role</p>	<p>Period</p>
	<p>Physics Society</p>	<p>Member</p>	<p>2023-2028</p>
	<p>Nuclear Physics society</p>	<p>Deputy Chairman</p>	<p>2023-2028</p>
	<p>Academic science of VN atomic institute</p>	<p>Member</p>	<p>2023-2028</p>
	<p>Editor board of Journal of Science and Technology Development</p>	<p>Member</p>	<p>2023-2028</p>
<p>Website</p>	<p>https://phys.hcmus.edu.vn/</p>		