

# Phacharatouch Chaimongkon

**Address:** House No. 212 Village No. 5, Don Si Chum Sub-district Dokkhamtai District, Phayao Province, Thailand, 56120.

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## Personal Details:

Sex : Male  
Date of birth : April 27, 1987  
Height : 167 centimeters  
Weight : 78 kilograms  
Health : Excellent  
Nationality : Thai  
Race : Thai  
Marital Status : Married  
Religion : Buddhism  
Hobbies : : Play football, review lessons and reading, programing

## Qualifications:

- Reliable, willing, and able to show up on time
- Honest and trustworthy
- Good attitude around others, willing to help, patient with people, do my share, willing to learn.
- Experience in Microsoft Word, Excel, PowerPoint, X'pert high Score, OriginPro, Photoshop, Computer Language (C, fortran, Python, Perl), Operating System (Linux: Fedora, Ubuntu), LaTeX

## Educations:

2020 - present	Ph. D. Student in Physics at Naresuan University
2012 - present	Lecturer in University of Phayao
2011 - 2012	Naresuan University, M. Sc. (Applied Physics)
2006 - 2010	Naresuan University, B.Sc. (Physics)
2000 - 2005	Dokkhamtai Wittayakom School, Phayao, Thailand

## Expertise:

- Nuclear and Particle Physics
- Heavy-ion collision

## Teaching experience:

- Instructor for 244351 Nuclear Physics
- Instructor for 244241 Computer Programming for Physics

## Research Collaborations:

1. Prof. Dr. Marcus Bleicher, Institut für Theoretische Physik, Goethe Universität Frankfurt, Max-von-Laue-Strasse 1, D-60438 Frankfurt am Main, Germany.
2. Prof. Dr. Yu-Ming Zheng, China Institute of Atomic Energy, P.O. Box 275(18), Beijing 102413, China.
3. Prof. Dr. Yu-Liang Yan, China Institute of Atomic Energy, Beijing China.
4. Prof. Dr. Yupeng Yan, School of Physics, Suranaree University of Technology, Nakhon Ratchasima 30000, Thailand.
5. Assoc. Prof. Pornrad Srisawad, Department of Physics, Faculty of Science, Naresuan University, Phitsanulok 65000, Thailand.
6. Asst. Prof. Ayut Limphirat, School of Physics, Suranaree University of Technology, Nakhon Ratchasima 30000, Thailand.
7. Dr. Panadda Sittiketkorn, Department of Physics and General Science, Faculty of Science and Technology, Nakornsawan Rajabhat University, Nakornsawan, 60000, Thailand.
8. Dr. Kristiya Tomuang, General Education, Siam Technology College, Bangkok, 10600, Thailand.

## List of International Publications:

1. Phacharatouch Chaimongkon, Tanachod Thapang, Tanaporn Boonprasert, Apichaya Chumsri, Panadda Sittiketkorn, Patcharapan Thongkum, Pornrad Srisawad, “Elliptic flow of the proton in  $^{197}\text{Au} + ^{197}\text{Au}$  collisions reaction at intermediate energy by using a quantum molecular dynamics model”. *Journal of Physics: Conference Series*, 1380 (2019), 012008.
2. Phacharatouch Chaimongkon, Pitchayapak Kunkaew, Panwaris Rerkwattanaampai, Panadda Sittiketkorn, Patcharapan Thongkum and Pornrad Srisawad “Azimuthal emission patterns of proton in  $^{58}\text{Ni} + ^{58}\text{Ni}$  collision at intermediate energy by using a quantum molecular dynamics model”. *Journal of Physics: Conference Series*, 1380 (2019), 012009.
3. Phacharatouch Chaimongkon, Jenitsata Jeerakad, Tidarut Doo-saard, Chanadan Douykhumklaw, Sakda Prajit, Panadda Sittiketkorn, Patcharapan Thongkum and Pornrad Srisawad, “The effect of  $\text{K}^+$  potential on the nuclear equation of state for the  $\text{K}^+$  production in heavy ion collisions by using a quantum molecular dynamics model”. *Journal of Physics: Conference Series*, 1380 (2019), 012011.
4. P Chaimongkon, S Junsen, W Wangwon and P Srisawad, “The elliptic flow of proton as a function of mid-rapidity in heavy ion collision at intermediate energy by using a quantum molecular dynamics model”. *Journal of Physics: Conference Series*, 1285 (2019), 012037.
5. Phacharatouch Chaimongkon, Yatawee Prommi, Thanaporn Roumsuk, Pornrad Srisawad, and Yu-Ming Zheng, “The effect of the nuclear equation of state on the direct flow in heavy

ion collision reaction by using quantum molecular dynamics model” *Journal of Physics: Conference Series*, 1144 (2018), 012027.

6. Pornrad Srisawad, Kristiya Tomuang, Phacharatouch Chaimongkon, Yu-Ming Zheng, Yong Zhong Xing, Ayut Limphirat, Chinorat Kobdaj and Yupeng Yan, “Effect of the  $K^+$  in-medium potential on  $K^+$  production in heavy ion collisions”. *Journal of Physics: Conference Series*, 1144 (2018), 012102.
7. Patcharapan Thongkum, Bowonsak Srisungsittisunti, Phacharatouch Chaimongkon, Sakorn Mekruksavanich and Pornthep Rojanavas, “An ontology-based approach for exploring knowledge in fundamental particles of Physics”. 2018 International ECTI Northern Section Conference on Electrical, Electronics, Computer and Telecommunications Engineering (ECTI-NCON), (2018), 144 -145.
8. U. Chaimongkon, A. Thongtha and T. Bongkarn, “The Effects of Firing Temperatures and Barium Content on Phase Formation, Microstructure and Dielectric Properties of Lead Barium Titanate Ceramics Prepared Via the Combustion Technique”. *Current Applied Physics*, 11 (2011), S70-S76.

### **National Publication:**

1. Ukrit Chaimongkon, Artid Laowanidwatana, Suphornpun Chootin and Theerachai Bongkarn, “Phase Formation and Microstructure of  $(Ba_{0.6}Pb_{0.4})TiO_3$  Powders Prepared via the Combustion Technique”. *Nu Science Journal*, Vol. 6(2) (2010): 157-165.
2. U. Chaimongkon, Y. M. Zheng, Y. P. Yan, A. Harfield and P. Srisawad. “Strangeness Meson Production in Heavy-ion Collisions”. *Siam Physics Congress SPC2012*, 2012, 67-69.

### **Oral Presentations:**

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|---------------|--|
| 6-7 June 2019 | Presented in the topic of “Elliptic flow of the proton in $^{197}Au+^{197}Au$ collisions reaction at intermediate energy by using a quantum molecular dynamics model” The Annual Conference of Siam Physics Congress (SPC2019), 6-7 June 2019, Hansa JB Hotel, Hatyai, Songkhla, Thailand. |
| 6-7 June 2019 | Presented in the topic of “Azimuthal emission patterns of proton in $^{58}Ni + ^{58}Ni$ collision at intermediate energy by using a quantummolecular dynamics model” The Annual Conference of Siam Physics Congress (SPC2019), 6-7 June 2019, Hansa JB Hotel, Hatyai, Songkhla, Thailand.  |

- 6-7 June, 2019 Presented in the topic of “The effect of  $K^+$  potential on the nuclear equation of state for the  $K^+$  production in heavy ion collisions by using a quantum molecular dynamics model” The Annual Conference of Siam Physics Congress (SPC2019), 6-7 June 2019, Hansa JB Hotel, Hatyai, Songkhla, Thailand.
- 4-6 February, 2019 Presented in the topic of “The effect of the nuclear equation of state on the direct flow in heavy ion collision reaction by using quantum molecular dynamics model” The Annual Conference of International Nuclear Science and Technology Conference (INST2019), 4-6 February 2019, Centara Grand at Central Ladprao, Bangkok, Thailand.
- 21-23 May, 2018 Presented in the topic of “The effect of the nuclear equation of state on the direct flow in heavy ion collision reaction by using quantum molecular dynamics model” The Annual Conference of Siam Physics Congress (SPC2018), 21-23 May 2018, Phitsanulok, Thailand.
- 9-10 March, 2009 Presented in the topic of “The Preparation of Lead Barium Titanate Powders by Combustion Method” in The 2nd Science Research Conference. Phitsanulok, Thailand.
- 9-12 May, 2012 Presented in the topic of “Strangeness Meson Production in Heavy-ion Collisions” in The Annual Conference of The Thai Physics Society 7<sup>th</sup> Siam Physics Congress (SPC2012). 9-12 May, Phra nakhon Si Ayutthaya, Thailand.
- 9-10 November 2012 Presented in the topic of “Strangeness Meson Production in Heavy-ion Collisions” in the Workshop on Heavy Ion and High Energy Physics, Naresuan University, Phitsanulok, Thailand.

### **Poster Presentations:**

- 24-25 May, 2018 Presented in the topic of “The Direct Flow of Proton in Heavy-Ion Collision of  $^{197}\text{Au} + ^{197}\text{Au}$  at Intermediate Energy 0.09 A GeV by using Quantum Molecular Dynamics Model” presented at The 10<sup>th</sup> Science Research Conference (2018), Mahasarakham University, Mahasarakham, Bangkok.
- 5-7 January, 2011 Presented in the topic of “The Preparation of  $(\text{Pb}_{0.2}\text{Ba}_{0.8})\text{TiO}_3$  Ceramics by the Combustion Method” presented at The 28th Annual Conference of the Microscopy Society of Thailand (2011), Mae Fah Luang University, Chiang Rai, Thailand.
- 12 February, 2010 Presented in the topic of “The Preparation of Lead Barium Titanate  $(\text{Pb}_{1-x}\text{Ba}_x)\text{TiO}_3$  Ceramics by the Combustion Technique” presented at the meeting on the project of the undergraduate students, Faculty of Science, Naresuan University. Phitsanulok, Thailand.

- 19 February, 2010 Presented in the topic of “The Preparation of Lead Barium Titanate ( $\text{Pb}_{1-x}\text{Ba}_x$ ) $\text{TiO}_3$  Ceramics by the Combustion Technique” presented at the project of the undergraduate students meeting (2010), Naresuan University. Phitsanulok, Thailand.
- 17-19 August, 2009 Presented in the topic of “The Preparation of Lead Barium Titanate ( $\text{Pb}_{0.6}\text{Ba}_{0.4}$ ) $\text{TiO}_3$  Ceramics by the Combustion Technique” presented at national science week (2009), Naresuan University. Phitsanulok, Thailand.
- 18-20 August, 2008 Presented in the topic of “The Preparation of Lead Barium Titanate Powders by Combustion Technique” presented at national science week (2008), Naresuan University, Phitsanulok, Thailand.

### **Training experiences:**

- 9 - 14 Nov. 2019 Participated in a workshop on The Siam School of High Energy Physics 2019: Physics for FAIR, Felix River Kwai Resort Kanchanaburi, Thailand
- 13 -19 August 2019 Participated in a workshop on the Exotic Nuclei at Nuclear and Particle Research Group, Suranaree University of Technology, Thailand.
- 25-28 April 2019 Participated to train on the topic of introduction to particle physics and application, Kamnoetvidya Science Academy, Payupnai, Wangchan, Rayong.
- 18-19 July 2018 Participated to train on the Python for scientific work, The Institute for Fundamental Study (IF), Naresuan University, Phitsanulok, Thailand.
- 19- 20 August 2017 Participated to train on the 2<sup>nd</sup> LaTeX for academic documents, The Institute for Fundamental Study (IF), Naresuan University, Phitsanulok, Thailand.
- 28 -29 January, 2017 Participated to train on the basic LaTeX for academic documents, The Institute for Fundamental Study (IF), Naresuan University, Phitsanulok, Thailand.
- 21-22 February 2016 Participated at “Integrating STEM into Their Classrooms Workshop” Hatyai, Songkhla, Thailand.
- 11 - 14 Oct. 2016 Participated to train at the BL3.2Ub station in Synchrotron Light Research Institute by study of atomic structure of material surface by using spectroscopic photoemission and low energy electron microscope in the 8<sup>th</sup> Synchrotron Science Camp for Teacher, Synchrotron Light Research Institute, Nakhonratchasima, Thailand

28 April -3 May 2015	Participated to train on the topic of Hyper nucleus with PACIAE+DCPC model at Naresuan University, Phitsanulok, Thailand.
17- 23 May, 2012	Participated to train about High Energy and Particle Physics Research at Suranaree University of Technology, Thailand.
30 April – 5 May, 2012	Participated to train with The 2 <sup>nd</sup> CERN (The European Organization for Nuclear Research) School Thailand 2012 at Suranaree University of Technology, Thailand.
1 Nov. – 1 March, 2012	Teaching assistance (TA) in Physics Experimental I & II in Naresuan University
1 Nov. – 1 March, 2012	Received the scholarship to be teaching assistant (TA) in Naresuan University
1 June – 1 Oct., 2011	Received the scholarship to be teaching assistant (TA) in Naresuan University
1 Nov. – 1 March, 2011	Received the scholarship to be teaching assistant (TA) in Naresuan University
1 June – 1 Oct., 2010	Received the scholarship to be teaching assistant (TA) in Naresuan University

### **Other Awards:**

1January – September 2012	Received the research assistantship (NRCT) of THAI - THE PEOPLE'S REPUBLIC OF CHINA RESEARCH.
1 June – October 2011	Received the research assistantship of The Thailand Center of Excellence in Physics (ThEP)
12 February, 2010	3 <sup>rd</sup> Prize for the poster presentation in the topic of “The Preparation of Lead Barium Titanate ( $Pb_{1-x}Ba_x$ )TiO <sub>3</sub> Ceramics by the Combustion Technique” presented at the meeting on the project of the undergraduate students, Faculty of Science, Naresuan University.
10 August, 2009	2 <sup>nd</sup> Prize for the poster presentation in the topic of “The Preparation of Lead Barium Titanate( $Pb_{0.6}Ba_{0.4}$ )TiO <sub>3</sub> Ceramics by the Combustion Technique” presented at national science week (2009), Naresuan University.
3 Mar., 2008 - 2 Mar., 2010	The RPUS (TRF) research grants of Year 2009