

Hoang Ngoc Long

Position: Head of Particle Physics section, Graduate School,
Institute of Physics
Vietnamese Academy of Science and Technology
Period covered: From 2000 --- now



I. Scientific Work

1. Right-handed sneutrinos as self-interacting dark matter in supersymmetric economical 3-3-1 model, H. N. Long, Adv. Studies Theor. Phys. 4 (2010) 173 - 196.
2. Inflationary scenario in the supersymmetric economical 3-3-1 model, Do T. Huong and Hoang N. Long, Phys. Atom. Nucl. 73, 5, (2010), pp. 791--804.
3. The 3-3-1 model with A_4 flavor symmetry, P. V. Dong, L. T. Hue, H. N. Long, D. V. Soa, Phys. Rev. D 81, (2010) 053004 (9 pages), [arXiv:1001.4625(hep-ph)].
4. Symmetry Factors of Feynman Diagrams for Scalar Fields, P. V. Dong, L. T. Hue, H. T. Hung, H. N. Long, and N. H. Thao, Theor. Math. Phys. 165 (2), 1500-1511 (2010).
5. Non-thermal leptogenesis in supersymmetric 3-3-1 model with inflationary scenario, D. T. Huong and H. N. Long, [arXiv:1004.1246(hep-ph)], subm.to JPG
6. The 3-3-1 model with S_4 flavor symmetry, P. V. Dong, H. N. Long, D. V. Soa, and V. V. Vien, [arXiv:1009.2328(hep-ph)], subm.to EPJC.
7. A simple model of gauged lepton and baryon charges, P. V. Dong and H. N. Long, [arXiv:1010.3818(hep-ph)]. Subm. to Phys. Rev. D.

II. Conferences and educational activities

II a. Conferences and Other External Scientific Works

I am member of Scientific committee of the National Conference in Theoretical Physics, 2nd -5th August 2010, HCM city, Vietnam

II b. Work With Students

I give lectures on Quantum Field Theory for Undergraduate students, Hanoi University of Education.

II c. Diploma thesis supervision

I am supervisor for 3 Ph. D. studens and 4 Master Students.

II d. Other Teaching Duties

I am a referee for some Ph. D. Theses.

II e. Work With Postdocs.

Now I work with Postdoc: P. V. Dong

III. Service activities

III a. Within ICRA \mathcal{N} et - I hope to visit ICRA \mathcal{N} ET next year 2011.

IV. Other

I am referee for some International Journal such as: Phys. Rev. D, Europhysics Letters,...