

CURRICULUM VITAE

Personal data

Family name: Márián
First name: István Gábor
Birth: 12th Jan. 1992, Debrecen
Citizenship: Hungarian
Family status: single

Working place: Assistant research fellow,
MTA-DE Particle Physics Research Group,
PhD student,
Doctoral School of Physics,
University of Debrecen,
Supervisor: Dr. István Nándori

Qualifications:

- BSc in physics with excellent result
(University of Debrecen, Debrecen, Hungary 2014)
- MSc in physics with excellent result
(University of Debrecen, Debrecen, Hungary 2016)

E-Mail: marianistvangabor@gmail.com

Grants

1. 2012-2016, Hatvani István Honors' College
2. 2012-2016, Talent Supporting Program of University of Debrecen
3. 2013, Faculty of Science and Technology Summer Grant
4. 2014, Faculty of Science and Technology Medal
5. 2015, Fellowship granted by the Republic
6. 2016, Faculty of Science and Technology Medal
7. 2016, Research Training Fellowship for Post-Graduate Students, SISSA
8. 2017, ÚNKP-17-3 New National Excellence Program of the Ministry of Human Capacities
9. 2020, ÚNKP-20-4 New National Excellence Program of the Ministry of Human Capacities

Studies

1. 2009, English intermediate (B2), combined, state accredited language examination certificate
2. 2011, General Certificate of Secondary Education (100% mathematics, 98% physics)
3. 2011-2014, University of Debrecen, Faculty of Science and Technology, Physics BSc (graded excellent)
4. 2012-2016, Hatvani István Honors' College
5. 2012-2016, Talent Supporting Program of University of Debrecen
6. 2014-2016, University of Debrecen, Faculty of Science and Technology, Physics MSc (graded excellent)
7. 2016-, University of Debrecen, Doctoral School of Physics

Other relevant information

- Active participation in the educational work of the University of Debrecen
- Local Scientific Conference of Students, first place, Hatvani István Honors' College, 2013
- National Scientific Conference of Students, quantum physics and field theory section, special award, 2015
- Presenting a poster on the 8th International Conference on the Exact Renormalization Group, 2016
- Poster on the 12th International Conference on the Scientific and Clinical Applications of Magnetic Carriers, 2018
- Presenting a poster on the 9th International Conference on the Exact Renormalization Group, 2018

Research interest

1. Statistical field theory
2. Functional renormalization group method
3. Magnetic nanoparticle hyperthermia

Publications

1. I. Nándori, I. G. Márián, V. Bacsó, Phys. Rev. D **89** 047701 (2014)
2. I. G. Márián, U. D. Jentschura, I. Nándori, J. Phys. G **41** 055001 (2014)
3. N. Defenu, P. Mati, I. G. Márián, I. Nándori, A. Trombettoni, JHEP **05** 141 (2015)

4. Zs. Iszály, K. Lovász, I. Nagy, I. G. Máriań, J. Rácz, I. A. Szabó, L. Tóth, N. F. Vas, V. Vékony, I. Nándori, *JMMM* **466** 452 (2018)
5. I. G. Máriań, N. Defenu, U. D. Jentschura, A. Trombettoni, I. Nándori, *Nucl. Phys. B* **945** 114642 (2019)
6. N. Defenu, V. Bacsó, I. G. Máriań, I. Nándori, A. Trombettoni, *J. Phys. A*, **52** 345002 (2019)
7. I. G. Máriań, N. Defenu, U. D. Jentschura, A. Trombettoni, I. Nándori, *JCAP* **06** 028 (2020)