

Curriculum Vitae

Name	Theodoros Gaitanos
Position	Assistant Professor, Physics Department, Aristotle University of Thessaloniki
Studies	<ul style="list-style-type: none"> • Dr. ren. nat. in Physics, LMU München, 2000 • Diploma in Physics, Physics Department, LMU München, 1996
Scientific Experience	<ul style="list-style-type: none"> • 01/15-today: Assistant Professor, AUTH • 10/06-12/14: Postdoctoral fellow, Institute for Theoretical Physics, JLU Gießen • 05/05-09/06: Postdoctoral fellow, Physics Department, LMU München • 04/03-04/05: Postdoctoral fellow, LNS Catania • 06/02-03/03: Postdoctoral fellow, Physics Department, LMU München
Scientific Activities	<p>Keywords: Theoretical Nuclear and Hadron Physics, (Nuclear) Astrophysics</p> <p>Particular Activities:</p> <ul style="list-style-type: none"> • (Relativistic) Heavy-Ion Collisions ((R)HIC) • Equation of State (EoS) of nuclear and hadron matter • Hyperon-nucleon interactions • In-medium hyperon-nucleon interactions & exotic hypernuclei • Nucleon-antiparticle interactions & antimatter • Neutron stars
Scientific Work	<p>Publications & Conferences:</p> <ul style="list-style-type: none"> • 50 publications in refereed journals • 12 publications in conference proceedings • 1 monograph in Physics Reports • More than 40 participations in international conferences & schools • Invited Lecturer in 3 international schools • Reviewer in international scientific journals (Nuclear Physics A & B, Physics Letters B, Physical Review C, Physical Review Letters, European Physical Journal A, κ.α.) <p>International Collaborations/Memberships:</p> <ul style="list-style-type: none"> • Collaboration in international experimental projects (FOPI, HADES, HypHI, PANDA) • Member of the Hellenic Nuclear Physics Community • Member of the Working Group 3/Helmhotz International Center for FAIR (HIC@FAIR) • Member of the Strange Particles in Hadronic Environment Research in Europe (SPHERE) • Member/Spoke Person for the Collaboration between AUTH & HIC@FAIR
Educational Activities	<ul style="list-style-type: none"> • Organization of exercises and examinations at the universities of München and Gießen (Mathematical Methods in Physics, Theoretical Mechanics I & II, Theory of Electromagnetism, Quantum Physics II, Quantum Field Theory) • Lectures in optional courses (Special Relativity, Quantum Hydrodynamics, Theoretical Hadron Physics) • (Co-)Supervisor in diploma thesis and dissertations

Five most important publications (acc. citation index at 12.01.2015)

- [Constraints on the high-density nuclear equation of state from the phenomenology of compact stars and heavy-ion collisions](#)
(206 citations)
T. Klahn, D. Blaschke, S. Typel, E.N.E. van Dalen, A. Faessler, C. Fuchs, T. Gaitanos, H. Grigorian, A. Ho, E.E. Kolomeitsev, M.C. Miller, G. Ropke, J. Trumper, D.N. Voskresensky, F. Weber, H.H. Wolter
Phys. Rev. C74 (2006) 035802
- [On the Lorentz structure of the symmetry energy](#)
(126 citations)
T. Gaitanos, M. Di Toro, S. Typel, V. Baran, C. Fuchs, V. Greco, H.H. Wolter,
Nucl. Phys. A732 (2004) 24-48
- [Transport-theoretical Description of Nuclear Reactions](#)
(92 citations)
O. Buss, T. Gaitanos, K. Gallmeister, H. van Hees, M. Kaskulov, O. Lalakulich, A.B. Larionov, T. Leitner, J. Weil, U. Mosel,
Phys. Rept. 512 (2012) 1-124
- [Isospin effects on sub-threshold kaon production at intermediate energies](#)
(68 citations)
G. Ferini, T. Gaitanos, M. Colonna, M. Di Toro, H.H. Wolter,
Phys. Rev. Lett. 97 (2006) 202301
- [Relativistic effects in the search for high density symmetry energy](#)
(61 citations)
V. Greco, V. Baran, M. Colonna, M. Di Toro, T. Gaitanos, H.H. Wolter,
Phys. Lett. B562 (2003) 215-220