

# Taygun Bulmus



CONTACT INFORMATION	Ataturk cad. Adile Nasit sok. No:8/5 Istanbul, TURKEY 34734	+90 (535) 416 1978 taygun.bulmus@msgsu.edu.tr
RESEARCH INTERESTS	Neutrino Astrophysics, Elementary Particles, Nuclear Astrophysics, Cosmology, AstroParticles	
EDUCATION	<b>Doctor of Philosophy, Physics</b> Mimar Sinan FA University, Istanbul, Turkey	Jun 2019
	<b>Master Of Science, Physics</b> Mimar Sinan FA University, Istanbul, Turkey Topic: <i>Flavor Evolution of Astrophysical Neutrinos with Self-Interactions</i> Advisor: Professor Yamaç Pehlivan	Jun 2015
	<b>Bachelor of Science, Physics Engineering</b> Istanbul Technical University, Istanbul, Turkey Topic: <i>The Motion of a Particle in Gravitational Field, Modeling with MATLAB</i> Advisor: Professor Nese Ozdemir	Jun 2012
ACADEMIC POSITION	<b>Research Assistant, Physics</b> Mimar Sinan FA University, Istanbul, Turkey	May 2017 - Present
PROJECTS	<b>Mimar Sinan FA University Scientific Research Department</b>	
	→ <i>Flavor Evolution of Collective Evolved Neutrinos</i> Position: Researcher Executive : Professor Yamaç Pehlivan	Apr 2018 - Apr 2020
	<b>Turkish Scientific and Technological Research Council</b>	
	→ <i>Flavor Evolution of Supernova Neutrinos and Many Body Effects (115F214)</i> Position: Ph.D. Researcher Executive : Professor Yamaç Pehlivan	Sep 2015 - May 2017
	→ <i>Neutrino-Neutrino Interactions and Flavor Oscillations in Dense Media (112T952)</i> Position: M.Sc. Researcher Executive : Professor Yamaç Pehlivan	May 2013 - May 2015
TALKS	<b>Neutrino Oscillations</b> Akyaka Nature Colloquium I, Mugla, Turkey	Feb 2018
	<b>Supernova Neutrinos and Recent Researches</b> Ankara High Energy Days, Ankara, Turkey	Feb 2015
	<b>Neutrino Oscillation in Astrophysics</b> Istanbul High Energy Physics Workshop, Istanbul, Turkey	Apr 2014
	<b>Symmetries of Nature for Physicians</b> MSFAU Science and Art Workshop, Istanbul, Turkey	Feb 2013

POSTER PRESENTATION	<b>Astrophysical Neutrinos Flavor Evolution With Self Interaction</b> Nuclei In the Cosmos XIV and NIC School, Niigata, Japan	Jun 2016
PUBLICATIONS	T. Bulmus and Y. Pehlivan, Proceedings Of The 14th International Symposium On Nuclei In The Cosmos (NIC2016) (2017) [DOI:10.7566/JPSCP.14.020709].	
PROFESSIONAL ACTIVITIES	<b>QDIS-16</b> <i>16th Workshop On Quantization, Dualities And Integrable Systems</i> Mimar Sinan FA University, Istanbul, Turkey	Apr 2018
	<b>Hortacsu-Fest</b> Mimar Sinan FA University, Istanbul, Turkey	Apr 2018
	<b>Akyaka Nature Colloquium I</b> Elif Hanm Hotel, Mugla, Turkey	Feb 2018
	<b>HEP, Astrophysics and Cosmology Workshop, YEFAK 2018</b> Istanbul University, Istanbul, Turkey	Feb 2018
	<b>VII Pontecorvo Neutrino Physics School</b> Czech National Library of Technology, Prague, Czech Republic	Aug 2017
	<b>Istanbul High Energy Physics Workshop, YEFIST 2017</b> Yildiz Technical University, Istanbul, Turkey	May 2017
	<b>NBIA Summer School on Neutrinos</b> <i>Underground <math>\mathcal{E}</math> in the Heavens</i> Niels Bohr Institute, Copenhagen, Denmark	Aug 2016
	<b>Nuclei In the Cosmos XIV</b> Toki Messe, Niigata, Japan	Jun 2016
	<b>Hadron Physics Winter School</b> Middle East Technical University, Ankara, Turkey	Oct 2015
	<b>Introduction to Supersymmetry</b> Bogazici University and Science Academy, Istanbul, Turkey	Sep 2015
	<b>Istanbul High Energy Physics Workshop, YEFIST 2015</b> Mimar Sinan FA University, Istanbul, Turkey	Apr 2015
	<b>International Workshop on Neutrino Physics and Astrophysics</b> Mimar Sinan FA University, Istanbul, Turkey	Mar 2015
	<b>Ankara High Energy Days</b> Middle East Technical University, Ankara, Turkey	Feb 2015
	<b>Istanbul High Energy Physics Workshop, YEFIST 2014</b> Ozyegin University, Istanbul, Turkey	Apr 2014
	<b>Quantum Field Theory Winter School</b> Bogazici University and Istanbul Technical University, Istanbul, Turkey	Feb 2014
	<b>II. Uludag High Energy Physics Winter School</b> Uludag University, Bursa, Turkey	Feb 2013
	<b>XIII. National Medical Physics Conference</b> Medical Physics Society, Izmir, Turkey	Nov 2011
	<b>Solid State Physics and Systems Biology</b> Bogazici University, Istanbul, Turkey	Aug 2010
	<b>Differential Geometry And Its Applications in Physics</b> Bogazici University, Istanbul, Turkey	Aug 2009

	<b>Energy Problems of Turkey and Nuclear Power Plants</b> Istanbul Technical University, Istanbul, Turkey	Nov 2008
WORK EXPERIENCE	<b>Mimar Sinan Fine Art University</b> , Istanbul, Turkey Teaching Assistant	Sep 2013 - Jun 2014
	<b>Nisantasi Private Teaching Institution</b> , Istanbul, Turkey High School Physics Teacher	Jul 2011 - Jun 2012
	<b>Istanbul Technical University</b> , Istanbul, Turkey Teaching Assistant	Sep 2008 - Jan 2010
LANGUAGES	<b>Turkish:</b> Native Language <b>English:</b> Professional Working	
SOFTWARE SKILLS	<b>Computer Programming</b> MATLAB, L <sup>A</sup> T <sub>E</sub> X, C++, Assembly	
INTERNSHIP	<b>Acıbadem University</b> , Istanbul, Turkey Department of Oncology Treatment Planing of Cancer Cells with using LINAC	Aug 2011
	<b>Istanbul Technical University</b> , Istanbul, Turkey Department of Science and Literature Theoretical Intern: Group Theory and U(1) Symmetry	Aug 2009
	<b>Istanbul Technical University</b> , Istanbul, Turkey Department of Mechanical Engineering Practicing with Lathe, Moulding, Milling, Seam and Planing Machines	Jul 2008
PROFESSIONAL AFFILIATIONS	<b>MSFAU Student Council</b> , Istanbul, Turkey Head of Institute of Science & Physics Department Student Council	2014 - 2016
	<b>Chamber of Physical Engineering</b> , Istanbul, Turkey Member	2012 - Present
INTERESTS	Rock Climbing, Mountaineering, Swimming, Blues and Funk Music	
REFERENCES	<b>Professor Yamaç Pehlivan</b> Mimar Sinan FA University Department of Physics	Phone: +90 (212) 246 0011 , Internal:5561 E-mail: yamac.pehlivan@msgsu.edu.tr
	<b>Professor Cemsinan Deliduman</b> Mimar Sinan FA University Department of Physics	Phone: +90 (212) 246 0011 , Internal:5559 E-mail: cemsinan.deliduman@msgsu.edu.tr
	<b>Professor Kayhan Ülker</b> Mimar Sinan FA University Department of Physics	Phone: +90 (212) 245 5239 E-mail: kulker@msgsu.edu.tr
	<b>Associate Professor Savaş Arapoğlu</b> Istanbul Technical University Physics Engineering Department	Phone: +90 (212) 285 7220 E-mail: arapoglu@itu.edu.tr