# AstroMundus in numbers and Alumni careers



Erasmus Mundus Master Course in Astrophysics 1<sup>st</sup> Cycle, Editions 1 to 5, 2010 – 2016 &

2<sup>nd</sup> Cycle, Editions 6 to 8, 2016 – 2020



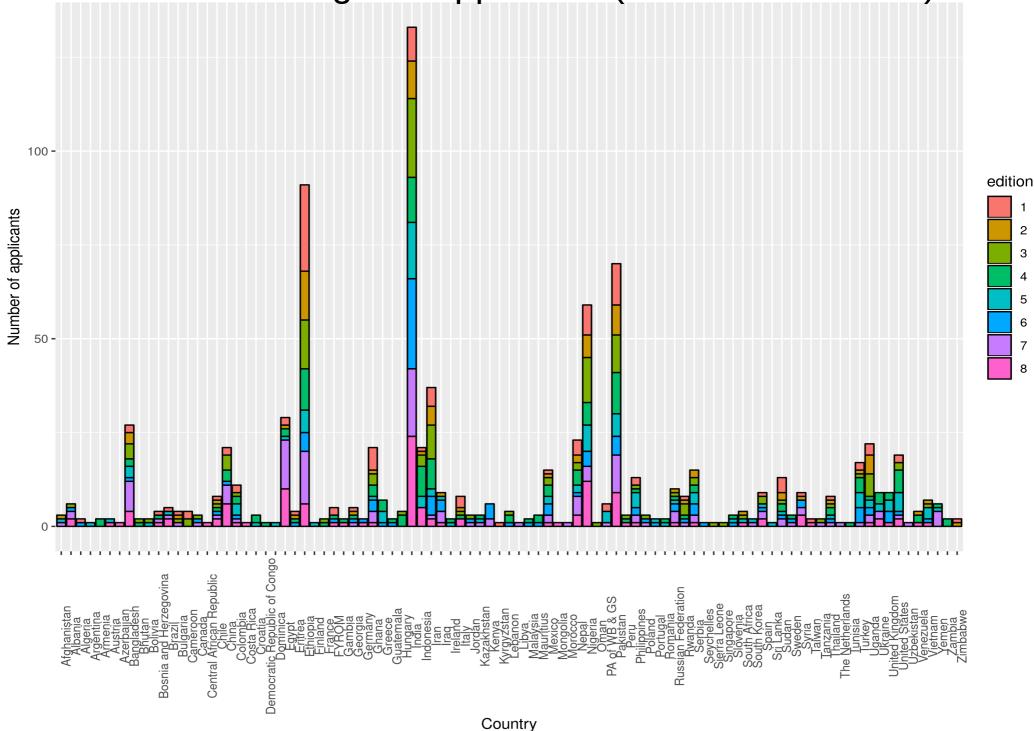


## AstroMundus Applicants & Students - Editions 1 to 8

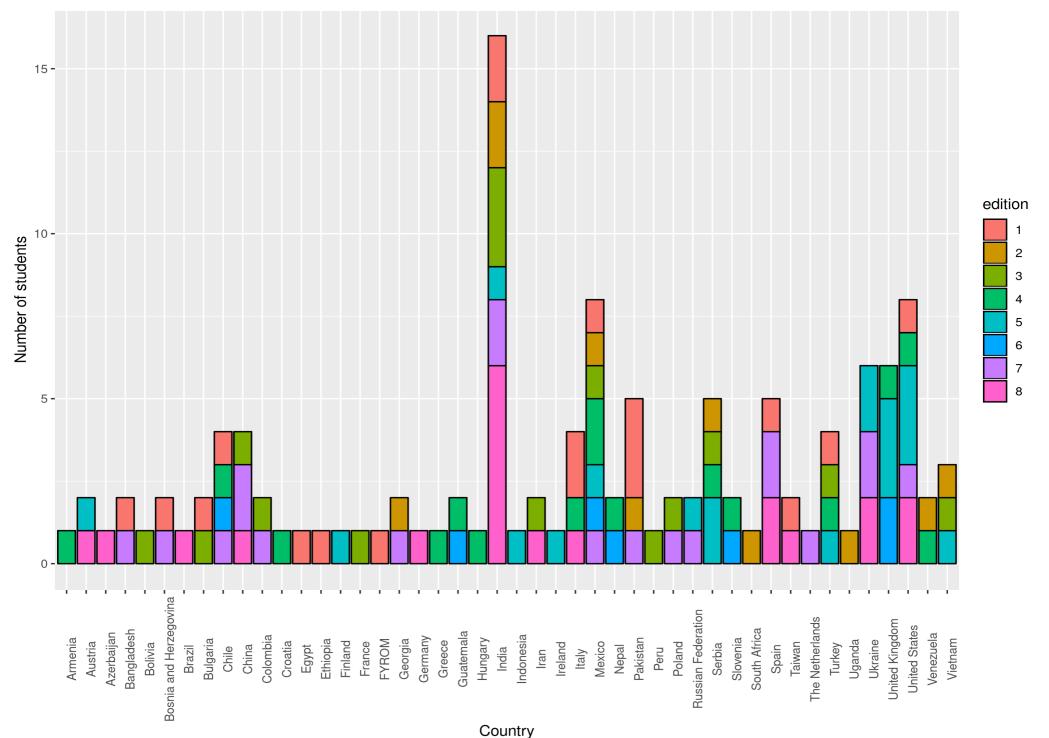
A total of 914 applications arrived from 93 different countries; 24% of applicants were females. 125 students were enrolled, of which 52 females (42%) and 73 males from 46 different countries. 113 students graduated successfully, the remaining 12 left the course before graduation.

	Ed. 1	Ed. 2	Ed. 3	Ed. 4	Ed. 5	Ed. 6	Ed. 7	Ed. 8	Sum
No. of applicants	112	76	125	138	105	103	134	121	914
EMMC/E+ scholarship holders enrolled in the category A/Partner Country	13	8	9	8	7	2	6	8	61
EMMC/E+ scholarship holders enrolled in the category B/ Programme Country	6	2	4	4	3	0	0	0	19
Students from Partner Countries enrolled as self- payers or with alternative / Consortium scholarships	0	0	2	1	5	2	9	7	26
Students from Programme Countries enrolled as self- payers or with alternative / Consortium scholarships	0	0	0	3	4	3	4	5	19
Successfully graduated students	16	10	14	14	19	4	18	18	113

# Countries of origin of applicants (all course editions)



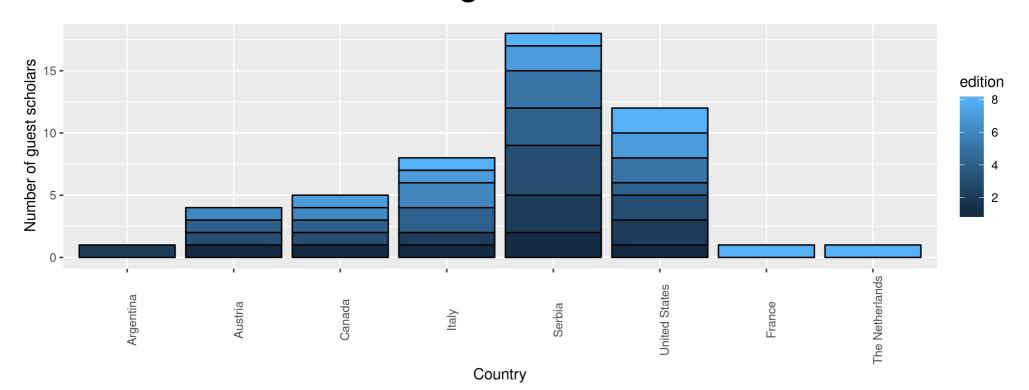
## Countries of origin of enrolled students (all course editions)



## AstroMundus Guest Scholars – Editions 1 to 8

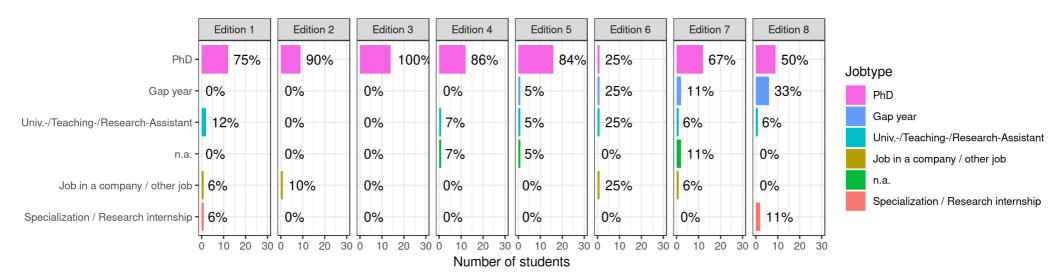
	Ed. 1	Ed. 2	Ed. 3	Ed. 4	Ed. 5	Ed. 6	Ed. 7	Ed. 8	Total
Guest scholars from Partner Countries	4	6	7	5	0	1	5	3	31
Guest scholars from Programme Countries	2	1	2	3	5	3	1	3	20

## Countries of origin of Guest Scholars



### Alumni careers

#### First occupation/activity after AstroMundus graduation



#### Subsequent careers

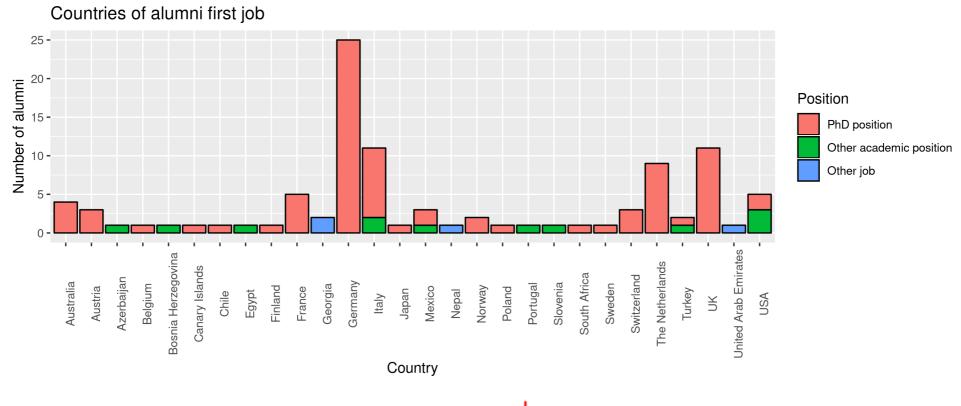
Alumni from earlier editions, who started a PhD as their first occupation after graduating from the AstroMundus programme have concluded their doctorate and in many cases have continued their academic career with postdoctoral research positions or as university assistants/professors/lecturers. A few alumni, after a first employment as teaching assistants or research fellows have later started a PhD.

Only a few alumni have switched to a non-academic career after the PhD.

Alumni of the 7<sup>th</sup> edition, who had opted for a gap year after graduation, in several cases have later started a PhD.

Edition 8 alumni, who opted for a gap year are in most cases planning to continue their career in astrophysics after this initial break period.

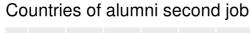
#### Countries where AstroMundus alumni obtained their positions after graduation

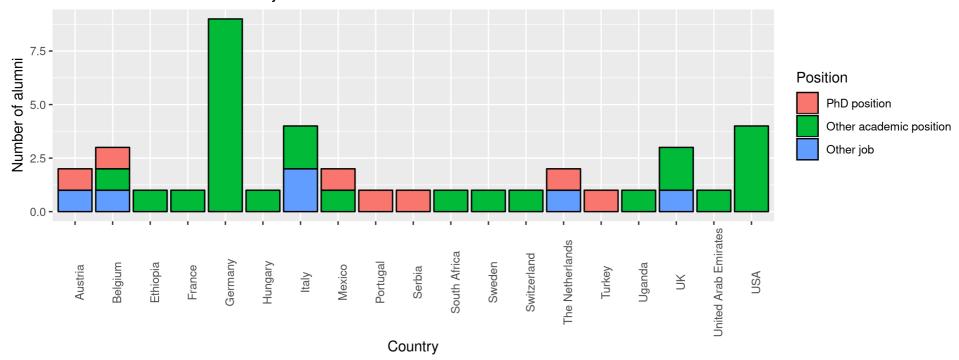


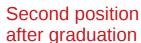
First position after graduation

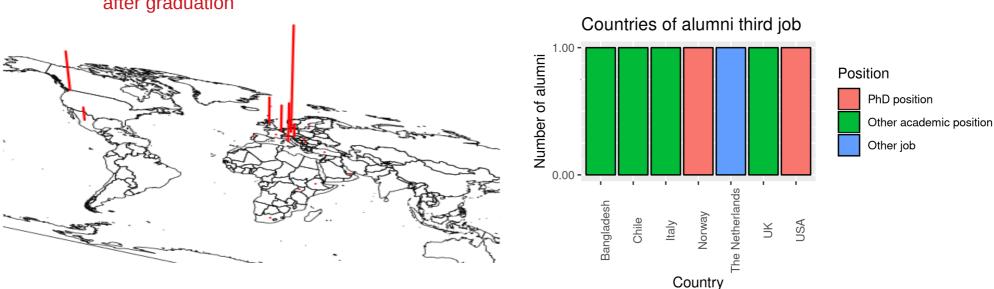


#### Countries where AstroMundus alumni obtained their positions after graduation









# Edition 1 – Master theses and Alumni careers (part 1)

Name & Country of origin	Master Thesis	AstroMundus	Position after graduation and further position,
		Graduation	when known
	Growth of Super Massive Black holes on Cosmological Timescales	University of Göttingen, 03/09/2012	Jobs outside academia: Research analyst, United Arab Emirates. Entrapreneur.
Asad, Bangladesh	On the origin of cold fronts and radio mini halos by means of gas sloshing	University of Rome Tor Vergata, 20/07/2012	PhD, Kapteyn Astronomical Institute, University of Groningen, The Netherlands. From October 2016 to 2019 Post-Doc at SKA Office in South Africa. Since 2019 Assistant Professor at University Physics & Computer Department, Bangladesh.
1	Optical Emission from Ultraluminous X-ray Sources	University of Padua, 27/09/2012	PhD, Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences, Warsaw, Poland. Since 2018 Post-Doc at Lund Observatory, Sweden.
1	Physical Parameters of the Relativistic Shock Waves in a sample of Gamma Ray Bursts	University of Belgrade, 27/07/2012	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie, Bonn, Germany - concluded in October 2016. Since Dec 2016, Postdoctoral Associate Researcher at the same Institute.
	Dynamics and survival of moons of extra-solar giant planets in planet-planet scattering	University of Padua, 27/09/2012	PhD, Cornell University, U.S.A.
Turkey	From TOD to CMB power spectra; A new, improved, Map making algorithm	University of Rome Tor Vergata, 20/07/2012	PhD, Middle East Technical University, Turkey
USA :	A spectrum forward simulator for CARMENES	University of Göttingen, 20/09/2012	PhD, Institute for Astrophysics, University of Göttingen, Germany, until Dec 2016. Since June 2017 employed in the energy trading sector, Italy.
	Hydrodynamical studies for cosmology	University of Göttingen, 05/09/2012	PhD, Wits University, Johannesburg, South Africa - concluded in 2017. Since then, Assistant Professor at Addis Ababa University, Ethiopia.

Edition 1 – Master Theses & Alumni careers (part 2)

	n 1 – Master i r	ieses & Alur	nni careers (part 2)
Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Pece Podigachoski, Macedonia	Dust-enshrouded star formation in galaxy clusters: the 24 m cluster galaxy population	University of Innsbruck, 10/08/2012	PhD, Kapteyn Astronomical Institute, University of Groningen, The Netherlands - concluded in Oct 2016. Technical analyst in a Dutch company from Oct 2016 to Sept 2017. Since then, ALM risk modeller, Rabobank Group, Utrecht, NL.
Nemanja Rakic, Bosnia Herzegovina	Variability of AGN spectral properties	University of Belgrade & University of Göttingen, 27/07/2012	Univ. Assistant, University of Banja Luka, Bosnia-Herzegovina & PhD, University of Belgrade, Serbia
Payaswini Saikia, India	The UV and optical spectral properties of a sample of broad line AGNs	University of Belgrade and University of Göttingen, 27/07/2012	PhD, Radboud University, Nijmegen, The Netherlands - successfully concluded in June 2018. Now post-doc at New York University, Abu Dhabi, United Arab Emirates
Sara Alejandra Sans, Spain	Human-Robotic Mars Science Operations:Target Selection Optimization via Traverse and Science Planning	University of Innsbruck, 14/08/2012	PhD, GAIA Research for European Astronomy Training (GREAT-ITN) network, KU Leuven, Belgium - successfully concluded in Jan 2017. Since 2018 owner of a small business.
Kamal Mohamed Teleb, Egypt	Efficient Identification of Exoplanetary Transit Signals	University of Innsbruck & Univ. of Göttingen, 25/04/2013	Teaching Assistant (demonstrator), Sohag University, Faculty of Science, Egypt
Paritosh Verma, India	Study of Detectability of Gravitational Wave Signals from Highly Magnetic Accreting Millisecond Neutron Stars	University of Rome, 28/09/2012	Further studies at the University of Massachusetts, U.S.A.
Dimitar Vlaykov, Bulgaria	Observable consequences of open inflation	University of Göttingen, 05/09/2012	PhD, Institute for Astrophysics, University of Göttingen, Germany - successfully concluded in Sept 2015. Postdoctoral Researcher at the MPI für Dynamik und Selbstorganisation, Göttingen until end 2018. Since then, Postdoctoral Research Fellow at University of Exeter, UK.
Laura Volpes, Italy	Thermal and magnetic structure of the corona in a 3D MHD simulation	University of Göttingen, 20/07/2012	PhD, Institute for Astrophysics, University of Göttingen, Germany - successfully concluded in June 2016. Now Digital Content Creator.

# Edition 2 – Master theses and Alumni careers (part 1)

Name & Country of origin   Naster Thesis   AstroMundus   Graduation   Position after graduation and further position, when known				VI /
Adams, South Africa Variability on Stratospheric Ozone over the 11-year Solar Cycle  Cosmos Dumba, Uganda  Uganda  Probing the Accretion Disk Winds in AGN  Probing the Accretion Disk Winds in AGN  Uganda  Levan Kakabadze, Georgia  Contribution of Structure Formation: Cosmic Rays to Extragalactic Gamma Ray Background  Vladimir Lukovic, Serbia  Vladimir Lukovic, Serbia  On the Evolution of Galactic Habitability  On the Evolution of Galactic Habitability  Pakabad Nasir, Pakistan  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  Kalyan Kumar Radhakrishnan Pattathilli  Removed for the Accretion Disk Viniversity of Göttingen, 23/08/2013  University of Göttingen, 23/08/2013  University of Innsbruck & University of Rome Tor Vergata, 27/09/2013  University of Rome Tor Vergata" and "La Sapienza", Italy, concluded in 2017. Now Post-Doc at UniTOV.  PhD, International Relativistic Astrophysics Programme, Erasmus Mundus Joint Doctorate, University of Mexico.  PhD, University of Nottingham, UK, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University of California, Riverside, USA.  Kalyan Kumar Radhakrishnan Pattathilli  Removal of the Ground Layer for very large  Telescopes		Master Thesis		i de la companya de
Uganda  Winds in AGN  23/08/2013  & PhD, University of Jena & Tautenburg Observatory, Germany, successfully concluded in Jan 2019. Now Lecturer at Mbarara University, Uganda.  Levan Kakabadze, Georgia  Contribution of Structure Formation: Cosmic Rays to Extragalactic Gamma Ray Background  Vladimir Lukovic, Serbia  Cosmological Model  University of Rome Tor Vergata, 27/09/2013  Cosmological Model  University of Rome Tor Vergata, 27/09/2013  On the Evolution of Galactic Habitability  University of Innsbruck & University of Belgrade, 23/08/2013  PhD, Joint PhD programme at the Universities of Rome "Tor Vergata" and "La Sapienza", Italy, concluded in 2017. Now Post-Doc at UniTOV.  PhD, International Relativistic Astrophysics Programme, Erasmus Mundus Joint Doctorate, University of Nice, France, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University of Mexico.  Fahad Nasir, Pakistan  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  Kalyan Kumar Radhakrishnan Pattathill  Removal of the Ground Layer for very large Telescopes  University of Padua, 13/09/2013  Removal of the Ground Layer for very large Telescopes		Effect of UV Irradiance Variability on Stratospheric Ozone over the 11-year	The state of the s	
Georgia  Formation: Cosmic Rays to Extragalactic Gamma Ray Background  Vladimir Lukovic, Serbia  Cosmological Model  University of Rome Tor Vergata, 27/09/2013  Gerardo Martinez Aviles, Mexico  On the Evolution of Galactic Habitability  University of Innsbruck & University of PhD, International Relativistic Astrophysics Programme, Erasmus Mundus Joint Doctorate, University of Nice, France, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University of Mexico.  Fahad Nasir, Pakistan  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  University of Innsbruck, 13/08/2013  University of Innsbruck, 13/08/2013  University of Innsbruck, 13/08/2013  PhD, University of Nottingham, UK, concluded in 2018. Since then, post-doc at University of California, Riverside, USA.  Kalyan Kumar Radhakrishnan Pattathill  Removal of the Ground Layer for very large Telescopes  University of Padua, 13/09/2013  PhD, IMPRS Max-Planck-Institute for Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-	•	_		& PhD, University of Jena & Tautenburg Observatory, Germany, successfully concluded in Jan 2019. Now Lecturer at Mbarara
Serbia Cosmological Model Vergata, 27/09/2013 of Rome "Tor Vergata" and "La Sapienza", Italy, concluded in 2017. Now Post-Doc at UniTOV.  Gerardo Martinez Aviles, Mexico  On the Evolution of Galactic Habitability  University of Innsbruck & University of Belgrade, 23/08/2013  Fahad Nasir, Pakistan  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  Kalyan Kumar Radhakrishnan Pattathill  Removal of the Ground Layer for very large Telescopes  On the Evolution of Galactic University of Innsbruck & University of Innsbruck & University of Innsbruck & University of Nice, France, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University of Mexico.  PhD, University of Nottingham, UK, concluded in 2018. Since then, post-doc at University of California, Riverside, USA.  PhD, IMPRS Max-Planck-Institute for Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-	· ·	Formation: Cosmic Rays to Extragalactic Gamma Ray	& University of	Job as software engineer, Georgia
Aviles, Mexico  Habitability  & University of Belgrade, 23/08/2013  Programme, Erasmus Mundus Joint Doctorate, University of Nice, France, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University of Mexico.  Fahad Nasir, Pakistan  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  Mock X-Ray Oberservations of Galaxies undergoing RAM-pressure stripping  University of Innsbruck, 13/08/2013  PhD, University of Nottingham, UK, concluded in 2018. Since then, post-doc at University of California, Riverside, USA.  Kalyan Kumar Radhakrishnan Pattathill  Removal of the Ground Layer for very large Telescopes  University of Padua, 13/09/2013  PhD, IMPRS Max-Planck-Institute for Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-	•		_	of Rome "Tor Vergata" and "La Sapienza", Italy,
Pakistan of Galaxies undergoing RAM-pressure stripping in 2018. Since then, post-doc at University of California, Riverside, USA.  Kalyan Kumar Removal of the Ground Layer for very large Pattathill Telescopes in 2018. Since then, post-doc at University of California, Riverside, USA.  PhD, IMPRS Max-Planck-Institute for Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-			& University of	Programme, Erasmus Mundus Joint Doctorate, University of Nice, France, concluded in 2017. Now high-school teacher of maths and physics in Mexico. Active in writing popular science articles for magazines of the National University
Radhakrishnan Layer for very large 13/09/2013 Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-	· ·	of Galaxies undergoing		in 2018. Since then, post-doc at University of
	Radhakrishnan Pattathill	Layer for very large		Astronomy, Heidelberg, Germany, concluded in 2017. First postdoc in Heidelberg. Now fixed-

# Edition 2 – Master Theses & Alumni careers (part 2)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Barbara Lucia Ramirez Mosquera, Venezuela	Study of the Intercluster Medium Velocity Structure in Cosmological Simulations	University of Innsbruck, 13/09/2013	PhD, University of Innsbruck, Austria
Xuan Nhut Truong, Vietnam	Neutrino Physics and new Perspectives in Cosmology	University of Padua, 13/09/2013	PhD, Joint PhD programme at the Universities of Rome "Tor Vergata" and Rome "La Sapienza", Italy, concluded in 2017. Now Post-Doc at Eötvös Loránd University, Budapest, Hungary
Abhay Pratap Yadav, India	Study of Chromospheric Activity of Solar-Type Stars	University of Göttingen, 14/09/2013	PhD, EXPERT III Erasmus Mundus programme, Institute for Astrophysics, University of Göttingen, Germany, concluded in 2016 and followed by Postdoctoral position at the University of Göttingen. Now back in India.

# Edition 3 – Master theses and Alumni careers (part 1)

Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Star Formation and Accretion Power of Supermassive Black Holes in Circumnuclear Disks	University of Göttingen, 16/09/2014	PhD, Metsähovi Radio Observatory, Aalto University, Finland
nfluence of Box Size and Overdensity in Cosmological Simulations	University of Innsbruck, 22/09/2014	PhD, ICRAR - University of Western Australia
Cosmological Perturbations and Varm Dark Matter	University of Rome Tor Vergata, 24/10/2014	PhD, Gran Sasso Science Institute, l'Aquila, Italy, concluded in July 2018. Now postdoc at Univ. Rome ToV, Italy.
AGN Black Hole Masses at Different Cosmological Scales	University of Göttingen & University of Belgrade, 09/09/2014	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie, Bonn, Germany
K-ray Weak Quasars	University of Göttingen & University of Belgrade, 09/09/2014	PhD, Max-Planck-Institute for Solar System Research, Göttingen, Germany & Open University, U.K., concluded in 2018. Since then, postdoctoral ESO fellowship, Germany.
Search for Binary Counterparts of Galactic Gamma-Ray Transients	University of Rome Tor Vergata, 24/10/2014	PhD, DESY (Deutsches Elektronen- Synchrotron), Hamburg, Germany. Now Post- doc at the Institute of Experimental Physics, University of Hamburg, Germany.
nvestigations of Structure and Morphology of Galaxies in a Sample from GAMA and SDSS Databases	University of Belgrade, graduated as local student, autumn 2015	PhD, Swinburne University of Technology, Melbourne, Victoria, Australia
Cluster Properties of High Redshift Sources in the ADF-S Region	University of Padova, 30/09/2014	PhD, IMPRS Max-Planck-Institute for Radioastronomy, Argelander Institut für Astronomie, Bonn, Germany
MHD Simulations of Colliding Stellar Winds in Binary Systems	University of Innsbruck, 08/09/2014	PhD, Stanford University, California, U.S.A.
STORT IN A SOUTH IN A	tar Formation and Accretion ower of Supermassive Black oles in Circumnuclear Disks  fluence of Box Size and verdensity in Cosmological imulations osmological Perturbations and farm Dark Matter  GN Black Hole Masses at ifferent Cosmological Scales  -ray Weak Quasars  earch for Binary Counterparts Galactic Gamma-Ray ransients  vestigations of Structure and orphology of Galaxies in a ample from GAMA and SDSS atabases  luster Properties of High edshift Sources in the ADF-S egion  HD Simulations of Colliding	tar Formation and Accretion ower of Supermassive Black oles in Circumnuclear Disks  fluence of Box Size and verdensity in Cosmological imulations  osmological Perturbations and /arm Dark Matter  GN Black Hole Masses at ifferent Cosmological Scales  -ray Weak Quasars  University of Rome Tor Vergata, 24/10/2014  University of Göttingen & University of Belgrade, 09/09/2014  University of Belgrade, 09/09/2014  University of Belgrade, 09/09/2014  University of Belgrade, 09/09/2014  University of Rome Tor Vergata, 24/10/2014  University of Belgrade, 09/09/2014  University of Rome Tor Vergata, 24/10/2014  University of Rome Tor Vergata, 24/10/2014  University of Rome Tor Vergata, 24/10/2014  University of Belgrade, graduated as local student, autumn 2015  atabases  University of Padova, 30/09/2014  University of Padova, 30/09/2014  University of Innsbruck,

# Edition 3 – Master theses and Alumni careers (part 2)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
William Arthur Polycarpe, France	Study of the Flyby Anomaly Tracking the Future JUICE Probe with the International Laser Ranging Service	University of Padova, 30/09/2014	PhD, Observatoire de Paris, France, concluded in October 2018
Avneet Singh, India	Primordial Non-Gaussianity in Horndeski-type Models of Inflation	University of Padova, 30/09/2014	PhD, IMPRS at Max Planck Institute for Gravitational Physics (Albert Einstein Institute) and Leibniz University, Hannover, Germany, concluded in 2017. Post-Doc at the Albert Einstein Institute, Hannover, 2017 – 2018. Since 2019 PhD candidate in applied maths and climatology at the Geohpysical Institute, University of Bergen, Norway.
Martha Irene Saladino, Mexico	Planetary Bombardment in Young Planetary Systems	University of Göttingen, 03/09/2014	PhD, Radboud University, Nijmegen, The Netherlands, concluded 2018. Since 2019 grant holder of the IAU/Office of Astronomy for Development as a Science Communication Manager and Data Analyst, Cambridge, UK.
Sreevarsha Sreejith, India	Stellar Mass Content of Planck Sunyaev-Zeldovich Galaxy Clusters	University of Innsbruck, 15/09/2014	PhD, University of Innsbruck, Austria, concluded in 2018. Since 2019 a post-doc at the University of Clermont Auvergne, France
Jinglin Zhao, China	End-to-End Simulation of CARMENES Observations	University of Göttingen, 30/09/2014	PhD, University of New South Wales, Australia

# Edition 4 – Master theses and Alumni careers – (part 1)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Deepak Bastola, Nepal	Study of feedback mechanisms from Active Galaxy Nuclei	University of Göttingen, 10/09/2015	Started PhD at Laboratoire d'Astrophysique de Marseille, Université d'Aix-Marseille, Marseille, France, then moved to the Department of Statistics, University of California, Riverside, USA, as a graduate teaching assistant (2017) and PhD candidate since 2018.
Grega Belšak, Slovenia	Modeling of Eclipse Time Variations for V471 Tauri System	University of Göttingen, 04/09/2015	Research Assistant at the Laboratory for Simulations of Materials and Processes, Institute of Materials and Technology, Ljubljana, Slovenia.
Aleksandar Cikota, Croatia	A Study of the Effect of Host Galaxy Extinction on the Colors of Type Ia Supernovae	University of Innsbruck, 16/07/2015	PhD, ESO Fellowship at International Max Planck Research School, Garching, Germany, completed in July 2018. Now post-doc at Lawrence Berkeley National Laboratory, USA. Moving to Santiago, Chile, as ESO fellow in October 2020.
Dan Josué Deras Badillo, Mexico	Modelling near-surface effects in evolved solar-like oscillators	University of Göttingen, 18/09/2015	PhD, National Autonomous University of Mexico (UNAM), Mexico
Arpine Kozmanyan, Armenia	Constraints on Cosmological Parameters from Cosmic Microwave Background and Matter Power Spectrum Observations	University of Rome, 18/09/2015	PhD, University of Rome Tor Vergata, Italy, concluded in Dec 2018. Since then working as a Data Analyst at Tessella, Altran Group (multinational engineering consultancy company), Milan, Italy.
Kristhell Marisol López López, Guatemala	Central Massive Black Holes and Dark Matter Halos in Low Mass Galaxies	University of Innsbruck, 01/09/2015	PhD, SRON Netherlands Institute for Space Research, Utrecht, The Netherlands, completed in April 2020.

# Edition 4 – Master Theses & Alumni careers (part 2)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Konstantina Loumou, Greece	A Flare Forecasting Algorithm Based on Multi-Line Magnetograms	University of Rome, 25/09/2015	PhD, University of Glasgow, U.K., concluded in January 2020. Currently working as a Forecaster and Service Provider at the Royal Observatory of Belgium, Brussels, Belgium.
Mija Lovrić, Serbia	Solar Cycle Effects on Stratospheric Ozone	University of Rome, 25/09/2015	PhD, University of Rome Tor Vergata, Italy, successfully concluded in December 2018.
Pietro Olmo Piana, Italy	Time Renormalization Method in Cosmological Perturbation Theory	University of Göttingen, 28/09/2015	Specialization on space transport systems, University of Rome "La Sapienza", Italy. Now PhD student at the Kapteyn Astronomical Institute, University of Groningen, The Netherlands
Eliceth Yaneire Rojas-Montes, Venezuela	Keck/DEIMOS Spectroscopy of Blue Supergiants in IC 10 and Sextans B	University of Innsbruck, 15/01/2016	PhD, Armagh Observatory, U.K.
Noemi Schaffer, Hungary	Ultralight Axion Dark Matter Modeling with Particle-In-Cell Method	University of Göttingen, 03/09/2015	PhD, Department of Astronomy and Theoretical Physics, Lund University & Lund Observatory, Sweden
Lawrence Anthony Short, United Kingdom	Comparison of Predicted and Observed Period Derivatives of RR Lyrae Stars	University of Rome & University of Belgrade, 25/09/2015	PhD, Astrophysics Research Institute, Liverpool John Moores University, Liverpool, U.K.
Efsan Sökmen, Turkey	Determination of Element Abundances of Galactic Globular Clusters Through Red Giants with MUSE/VLT	University of Göttingen, 24/09/2015	PhD, Instituto de Astrofísica de Canarias, Tenerife, Canary Islands, Spain
Miles Landan Timpe, USA	A new age-period-activity relation for M dwarfs: implications for planetary habitability	University of Göttingen, 04/09/2015	PhD, NCCR 'Planet S' program, Swiss exoplanet consortium, Center for Theoretical Astrophysics and Cosmology, University of Zurich, Switzerland, concluded in 2020. Now Postdoc at the same institution.

# Edition 5 – Master theses and Alumni careers – (part 1)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Benjamin Garret Browning, USA	Multimssenger Detection of Core- Collapse Supernovae via Linked Gravitational Wave and Neutrino Detector Networks	University of Rome Tor Vergata, 28/10/2016	n.a.
Benjamin Eric Czaja, USA	Star formation from molecular cloud collisions	University of Padova, 28/09/2016	PhD candidate at the Computational Science Lab, Univ. of Amsterdam, The Netherlands
Hannah Suzanne Dalgleish, United Kingdom	Quantitative Spectroscopy of Blue Supergiants in NGC 6822	University of Innsbruck, 13/09/2016	PhD, Astrophysics Research Institute, Liverpool John Moores University, UK, concluded in May 2020. Postdoc at the University of Oxford (UK) and continuing at the University of Namibia wihin an 'astronomy for development' project.
Kaan Kaplan, Turkey	The Search for Exoplanets in K2 Clusters M35 and NGC 2158	University of Padova, 27/10/2016	PhD on hybrid and electric cars and teacher of a technical astronomy course at Gaziantep Universiy, Tukey.
Iuliia Mykhailivna Diakiv, Ukraine	Variability of the broad-line Seyfert galaxy ESO 141-G55	University of Göttingen, 26/09/2016	Opted for a break period in her home country
Robert Dzudzar, Serbia	Dwarf Galaxy Evolution in the Massive and Dynamically Active Cluster Abell 3266	University of Innsbruck, 19/09/2016	PhD, Swinburne University of Technology, Melbourne, Australia (PhD thesis submitted in June 2020)
Odysse Halim, Indonesia	The Sensitivity of Using Coarse Grid in All-Sky Surveys Data Analysis of Continuous Gravitational Waves	University of Rome Tor Vergata, 30/09/2016	PhD, Gran Sasso Science Institute, L'Aquila, Italy, concluded in April 2020.
Erik Nikolas Johnson, USA	Halpha Variability in CN Leo, an Active M Dwarf	University of Göttingen, 26/09/2016	PhD, University of Göttingen & Max Planck Institute for Solar System Research (MPS), Göttingen, Germany

# Edition 5 – Master theses and Alumni careers (part 2)

			in oarooro (part <i>2)</i>
Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Yana Igorevna Khusanova, Russian Federation	Adaptation of the LSST Software Stack to the ESO-NTT SOFI Camera and Application to the SOFI Ks-band Dataset of the 02hr Deep Field from the VIMOS-VLT Deep Survey for Data Reduction	University of Innsbruck & University of Belgrade, 27/09/2016	PhD, Laboratoire d'Astrophysique de Marseille, Université d'Aix-Marseille, France, concluded in October 2019. Since November 2019 postdoc at MPIA, Heidelberg, Germany.
Maksym Lisogorskyi, Ukraine	Stellar magnetic field impact on planet detection	University of Göttingen, 16/09/2016	PhD, University of Hertfordshire, Hatfield, UK
Abhishek Sanjay Maniyar, India	Cosmological parameter estimates from SNe Ia and H(z)	University of Rome Tor Vergata, 23/09/2016	PhD, Laboratoire d'Astrophysique de Marseille, Université d'Aix-Marseille, France, concluded in September 2019. Since October 2019, Postdoctoral Research Associate at New York University, USA
Minh Nhat Nguyen, Vietnam	Local Random Potentials and Cosmology	University of Göttingen, 27/07/2016	PhD, Max Planck Institute for Astrophysics (MPA), Garching, Germany, concluded in June 2020. Coninuing with a 1-year postdoc at the same institution.
Liam Donal O'Sullivan, Ireland	Parameter Studies in Cosmic Ray Propagation	University of Innsbruck, 16/09/2016	PhD, University of Sheffield, Sheffield, UK
Ernesto Perez Hernandez, Mexico	AGN Light Curves and Periodicities: The case of ARP 102B, 3C 390.3, NGC 5548 & E1821+643	University of Göttingen & University of Belgrade, 21/09/2016	PhD, University of Guadalajara, Mexico
Bastian Severin Niklas Proxauf, Austria	Homogeneous Metallicity Scale for Galactic Classical Cepheids	University of Rome Tor Vergata, 30/09/2016	PhD, Max Planck Institute for Solar System Research (MPS), Göttingen, Germany
Miika Aleksi Pursiainen, Finland	The shape of relativistically broadened Fe Kalpha line in type 1 AGN	University of Belgrade, 07/09/2016	PhD, University of Southampton, UK

# Edition 5 – Master theses and Alumni careers (part 3)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Nikolina Šarčević, Serbia	Population of Gamma-Ray Sources in the Third Fermi LAT Catalogue	University of Padova, 09/03/2017	PhD, University of Freiburg, Germany. Switching to a position in cosmology at Newcastle University, UK, in autumn 2020.
Joanna Tamani Ramasawmy, United Kingdom	The Intrinsic Shapes of Dwarf Galaxies in the MATLAS Survey	University of Innsbruck, 09/09/2016	PhD, University of Hertfordshire, Hatfield, UK
Georgina Feroza Sanjana, United Kingdom	Spherical Collapse of Ultra- Light Axionic Dark Matter	University of Göttingen, 02/09/2016	PhD, University of Kyoto, Japan

## Edition 6 – Master theses and Alumni careers

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Alan Andrés García López, Guatemala	Analysis of the Balmer Emission along the Quasar Main Sequence	University of Padova, 26/01/2017	Continued research at INAF- Padova until January 2018, after which he planned a gap period in his home country.
Miriam Gudiño Yáñez, Mexico	The Hubble Constant from Time-delays of Gravitationally Lensed Quasars	University of Belgrade, 18/09/2017	Initially employed as a Bachelor's level professor in Aerospace Engineering, she is currently doing a PhD at the Universidad Atónoma de México.
Vikram Upadhyay, Nepal	Testing Modified Gravity with the Sunyaev Zel'dovich Effect	University of Padova, 27/09/2017	Returned to Nepal, where for the coming years he plans to work on social development projects in education and economy building sectors.
Tadeja Veršic, Slovena	On the kinematics of Sculptor Dwarf Spheroidal Galaxy	University of Rome Tor Vergata, 29/09/2017	Started PhD at the Kapteyn Astronomical Institute, University of Groningen, The Netherlands; now continuing the PhD within an ERC- funded project at the Institute of Astrophysics, University of Vienna, Austria.

# Edition 7 – Master theses and Alumni careers (part 1)

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Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Syeda Lammim Ahad, Bangladesh	The nature of the nucleated dwarf galaxies in the MATLAS survey	University of Innsbruck, 14/09/2018	PhD, Leiden Observatory, The Netherlands
Waheed Ahmad, Pakistan	Cosmological parameters: discordance, new data and new physics	University of Göttingen, 26/09/2018	n.a.
Maksym Brilenkov, Ukraine	Self-Consistent Models of Fuzzy Dark Matter Halos	University of Göttingen, 07/09/2018	PhD, Institute of Theoretical Astrophysics, University of Oslo, Norway
Ruslan Brilenkov, Ukraine	Formation of Axion Miniclusters in GADGET-2 Simulations	University of Göttingen, 10/09/2018	PhD, Kapteyn Astronomical Institute, University of Groningen, The Netherlands
Samantha Beatriz Brown Sevilla, Mexico	A Photometric and Dynamical Study of the Binary System HW Virginis	University of Padova, 28/09/2018	PhD, IMPRS, Max Planck Institute for Astronomy, Heidelberg, Germany
Javier Carron Duque, Spain	Needlet Multiple Testing for Point Source Detection in Planck CMB Anisotropy Maps	University of Rome Tor Vergata, 28/09/2018	PhD, University of Rome Tor Vergata, Italy
Adrián Esteban Castañón, Spain	Blast Waves with Cosmic Rays in Supernova Remnants	University of Belgrade, 24/09/2018	PhD, Liverpool John Moores University, UK (started in October 2019).
Abhishek Rajesh Chougule, India	Influence of improved Stark broadening data on chromium spectral lines	University of Innsbruck & University of Belgrade, 25/09/2018	Started a PhD at the Institute of Astro- and Particle Physics, University of Innsbruck, Austria; since autumn 2019 continuing at the Instituto de Astrofísica e Ciências do Espaço, University of Porto, Portugal
Jarred Gershon Green, USA	Dark Matter Searches with the MAGIC telescopes	University of Rome Tor Vergata, 28/09/2018	Research position at the Space Science Data Center of the Italian Space Agency, Rome, Italy

# Edition 7 – Master theses and Alumni careers (part 2)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Stefano Renzo Garcia Castañeda, Chile	Age sensitivity of stellar structure glitches	University of Göttinegen & Max Planck Institute for Solar System Research, 10/12/2018	Fellowship at the Centre for Astrophysics of the University of Porto, Portugal; since September 2019, PhD in at KU Leuven, Belgium
Andrea Guzmán Mesa, Colombia	Probing the exoplanet's HD 189733b atmosphere using CARMENES' chromatic Rossiter- McLaughlin observations	University of Göttingen, 24/09/2018	PhD, University of Bern, Switzerland
Huanchen Hu, China	Coupling of solar p and g modes	University of Göttingen & Max-Planck-Institute for Solar System Research, 20/09/2018	University of Göttingen & Max-Planck- Institute for Solar System Research, 20/09/2018
Jay Vijay Kalinani, India	General Relativistic Magneto- hydrodynamic Simulations of Binary Neutron Star Mergers	University of Rome Tor Vergata, 28/09/2018	PhD, Department of Physics and Astronomy, University of Padova, Italy
Oleg Igorevic Kalinin, Russian Federation	The Statistics of the Cosmic Microwave Background	University of Rome Tor Vergata, 28/09/2018	n.a.
Yushan Li, China	Investigation of the Chandra X-ray Source Properties in the Antennae Galaxies with MUSE	University of Göttingen, 25/09/2018	Decided for a gap year
Tamari Meshveliani, Georgia	Axion Miniclusters: Formation in the Early Universe and Signals in Gravitational Microlensing	University of Göttingen, 25/01/2019	Head of Planetarium at the Georgian National Youth Palace (Georgia) for the popularization of astronomy and astrophysics among school students & organisation of summer schools at various Georgian observatories. She plans to do a PhD in the future.

## Edition 7 – Master theses and Alumni careers (part 3)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Slađana Radinović, Bosnia and Herzegovina	Bispectrum of the Sunyaev- Zel'dovich y-Compton Field in Modifies Gravity Models	University of Padova, 28/09/2018	Decided for a gap year; since September 2019 PhD at the Institute of Theoretical Astrophysics, University of Oslo, Norway
Agata Maria Wisłocka, Poland	The Radiation Impact of Active Galactic Nuclei at $z < 0.5$ on the Milky Way	University of Belgrade, 12/09/2018	Decided for a gap period and outreach related projects

# Edition 8 – Master theses and Alumni careers (part 1)

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Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Bidenko Bohdan, Ukraine	Constraints on Cosmological Parameters from Isotropic and Anisotropic Components of BAO Data	University of Rome Tor Vergata, 27/09/2019	Gap period. Plans to continue career in Astrophysics
Chaturmutha Varun, India	Binarity as a possible explanation of the dual horizontal branch in NGC 6791	University of Padova, 09/09/2019	Nine-month research internship with the "Remote Sensing for Space Sciences" group at Georgia State University, Atlanta, USA
Girdhar Aishwarya, India	Spatial variation of stellar ages in GASP galaxies observed with MUSE	University of Padova, 09/09/2019	PhD within the IMPRS programme at the European Southern Observatory, Garching/Munich, Germany
Giri Priyanka, India	Modeling of High Finesse Optical Cavities for the Reduction of Scattering Losses in Advanced Virgo	University of Rome Tor Vergata, 27/09/2019	PhD, European Gravitational Observatory, at the Virgo Gravitational Wave detector & University of Pisa, Italy
Gonzalez I Tora Gemma, Spain	Quantitative spectroscopy of NGC 300 supergiants with MUSE 2	University of Innsbruck & University of Göttingen, 05/09/2019	PhD, Astrophysical Research Institute, Liverpool John Moores University, UK
Guluyeva Chichak, Azerbaijan	Joint analysis of LIGO-Virgo and a neutrino network data for type II Supernova search	University of Rome Tor Vergata, 27/09/2019	Physics teacher in an international school in Azerbaijan. Plans to continue career in Astrophysics
Hami Maryam Melissa, USA	The Galactic Habitable Zone: Estimating the SgrA* Effects	University of Rome Tor Vergata & University of Belgrade, 31/01/2020	Summer internship with NRAO (National Radio Astronomy Observatory), USA
Ketzer Laura, Germany	Pre-main sequence gravity-mode pulsators in K2	University of Innsbruck, 06/09/2019	PhD, Leibniz Institute for Astrophysics (AIP), Potsdam, Germany
Lala Hitesh, India	A 6-dimensional phase space study of globular cluster NGC 6752	University of Padova, 09/09/2019	PhD within the IMPRS in Astronomy and Cosmic Physics, Heidelberg, Germany

# Edition 8 – Master theses and Alumni careers (part 2)

Name & Country of origin	Master Thesis	AstroMundus Graduation	Position after graduation and further position, when known
Olivera Nieto Laura, Spain	The diffuse neutrino flux due to interactions of AGN jets with the CMB and the EBL	University of Innsbruck, 13/09/2019	PhD within the IMPRS programme at the Max Planck Institute for Nuclear Physcs (MPIK), Heidelberg, Germany
Piga Lorenzo, Italy	Effects of accreting Primordial Black Holes on the Cosmic Microwave Background	University of Rome Tor Vergata, 27/09/2019	Gap period. Plans to continue career in Astrophysics
Ranjan Divyanshu, India	Temporal Evolution of the CARMENES Etalons	University of Göttingen, 10/09/2019	Gap period. Plans to continue career in Astrophysics
Rodrigues Alves Douglas, Brazil	CARMENES radial velocity with data driven methods	University of Göttingen, 10/09/2019	PhD at the Universidad de Chile in Santiago, Chile
Talezadehlari Mohammadsadegh, Iran	Early Universe Constraints on Type-IIB String Axions	University of Göttingen, 25/09/2019	Gap period. Plans to continue career in Astrophysics
Tkachenko Olena, Ukraine	Constraints on Cosmic Ray Diffusion with Particle Transport from the PICARD code	University of Innsbruck, 27/09/2019	PhD within the Karlsruhe Graduate School of Elementary Particle and Astroparticle Physics: Science and Technology, Karlsruhe Institute of Technology, Germany
Wang Wang, China	Decaying Dark Matter Model Constrains With FlexKnot Reionization History	University of Rome Tor Vergata, 27/09/2019	Gap period. Plans to continue career in Astrophysics
Yeh Fu-Chi, Taiwan	The Origin of the Globular Cluster FSR 1758	University of Padova, 09/09/2019	Gap period. Considering a possible career switch
Zekoll Viktoria, Austria	Production of Cosmogenic Isotopes by the Galactic Cosmic Rays and Solar Energetic Particles	University of Göttingen, 25/09/2019	PhD at DLR - German Aerospace Center, Munich, Germany