

Curriculum Vitae

PERSONAL INFORMATION

Name: Bartosz Gauza
Birth date and place: 8 June 1987, Zielona Góra, Poland
Current position: FONDECYT Postdoctoral Fellow at the Department of Astronomy,
University of Chile
Address: C/ Camino El Observatorio #1515, Las Condes, Santiago, Chile
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Email: bgauza87@gmail.com
Sex: Male
Marital status: Not married
Nationality: Polish

EDUCATION AND RESEARCH ACTIVITY

Sep 2016 – Feb 2017 Support Astronomer at the Isaac Newton Group of Telescopes (ING)
Santa Cruz de La Palma, Canary Islands, Spain

Sep 2011 – Nov 2016 PhD in Astrophysics
Thesis title: *A direct imaging search and characterization of brown dwarfs
and massive planets around stars*
Directors: Prof. Rafael Rebolo López and Dr. Victor J. Sánchez Béjar
Instituto de Astrofísica de Canarias (IAC), University of La Laguna (Spain)

Sep 2009 – Jul 2011 Master of Science in Astronomy/Computer Astrophysics
Thesis title: *HU Aquarii – cataclysmic binary system harbouring two
massive planets?*
Supervisor: Prof. Andrzej J. Maciejewski
Faculty of Physics and Astronomy, University of Zielona Góra (Poland)

Sep 2009 Summer Research Fellow
Nicolaus Copernicus Astronomical Centre of the Polish Academy
of Sciences, Warsaw (Poland)

Sep 2006 – Jun 2009 Bachelor of Science in Astronomy
Faculty of Physics and Astronomy, University of Zielona Góra (Poland)

PERSONAL SKILLS

Mother tongue: Polish
Other languages: English (professional, C2), Spanish (fluent, B2)
Driving licence : cat. B
Computer skills: Operating systems: Linux, Windows
Programming languages: Fortran, Python
LaTeX, Open Office & MS Office
Scientific software: IRAF, PyRAF, DAOPhot, WCSTools, Scamp,
SExtractor, HEASoft, VO tools, STILTS, Molecfit, Gsgano, Reflex

OUTREACH ACTIVITY

May 2015 Press release on the discovery of the planetary mass companion VHS 1256b,
coordinated in cooperation with the Communication Unit of the IAC, the
Centre of Astrobiology (CAB) in Madrid, the Polytechnic University of
Cartagena (UPCT), University of Zielona Góra and the Polish Press Agency

Jan – Jul 2011 Public night-sky shows, organized by the Astronomical Observatory of
the University of Zielona Góra, Poland (various events)

June 2010 Festival of Science in Zielona Góra, Poland, presentations and small talks in
the planetarium of the Institute of Astronomy, University of Zielona Góra

OBSERVING EXPERIENCE

Gran Telescopio CANARIAS (GTC) 10.4-m
OSIRIS, optical imaging and long-slit spectroscopy
CANARICAM, mid-infrared imaging

Very Large Telescope (VLT) UT2 unit, 8.2-m
UVES, high-resolution echelle spectroscopy, optical

William Herschel Telescope (WHT) 4.2-m
LIRIS, near-infrared imaging and long-slit spectroscopy
ACAM, optical imaging

Telescopio Nazionale GALILEO (TNG) 3.5-m
NICS, low-resolution, long-slit near-infrared spectroscopy

Nordic Optical Telescope (NOT) 2.5-m
FastCam, lucky-imaging
NOTCam, near-infrared imaging

New Technology Telescope (NTT) 3.6-m
SOFI, near-infrared imaging and long-slit spectroscopy
ALFOSC2, optical imaging and long-slit spectroscopy

Isaac Newton Telescope (INT) 2.5-m
WFC, optical wide-field imaging
IDS, medium resolution long-slit spectroscopy, optical

IAC80 Telescope 0.8-m
CAMELOT, optical imaging

Telescopio Carlos Sánchez (TCS) 1.5-m
FastCam, WideField FastCam, lucky-imaging

The Skinakas Observatory 1.3-m Telescope
OPTIMA, high-time resolution photoncounter instrument

SUCCESSFUL OBSERVING PROPOSALS

NTT/SOFI+ALFOSC2 ESO Period 92 (as PI), 7 nights
Title: Wide very low-mass binaries and multiple systems in the VISTA Hemisphere Survey.

VLT UT2/UVES ESO Period 93 DDT Time (as PI), 3.3 hours
Title: Age determination of a directly imaged brown dwarf - planetary mass companion system.

NTT/SOFI ESO Period 95 (as PI), 3 nights
Title: Very low-mass companions in binary and multiple systems in the VISTA Hemisphere Survey.

NTT/SOFI ESO Period 96 (as PI), 3 nights
Title: New very low-mass companions in binary and multiple systems in the VISTA Hemisphere Survey.

GTC/CanariCam Spanish CAT Semester 2012B, 2013AB, 2014A (as co-I), 48 hours in total
Title: Search and characterization of wide Planetary Mass Companions with CanariCam

GTC/OSIRIS Spanish CAT Semester 2013B, 2014B, 2015AB (as co-I), 137 hours in total
Title: A complete spectroscopic census of high proper motion sources in the solar neighborhood

WHT/LIRIS Spanish CAT Semester 2014A (as co-I), 3 nights
Title: Confirming free-floating Y-type brown dwarfs in the Solar neighborhood in WISE/VHS

TNG/NICS Spanish CAT Semester 2014A and 2015A (as PI), 2×1 night
Title: Very low-mass companions in binary and multiple systems in the VISTA Hemisphere Survey

WHT/LIRIS+ACAM and Liverpool Telescope Spanish CAT Semester 2015B (as PI), 1 night and 32.3 hours
Title: Variability of a planetary mass companion to a nearby M dwarf VHS 125601.92-125723.9

GTC/OSIRIS Spanish CAT Semester 2015B (as co-I), 7 hours
Title: Characterization of nearby young super-Jupiters