

CURRICULUM VITAE

PERSONAL INFORMATION



Family name, Name **Ramón-Ballesta, Alejandro**
Address Instituto de Astrofísica de Andalucía - CSIC
Glorieta de la Astronomía s/n, 18008 Granada (Spain)
e-mail **a.ramonballesta@gmail.com**
Date and place of birth 19th of December of 1979, Granada
SCOPUS ID 36638216100
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EDUCATION

- DEGREE** **MSc in Astronomy and Astrophysics**
- Date December 2017
 - University Valencian International University (VIU)
 - Score 9.29 (over 10)
 - Master's thesis *Search for rotational splitting in the frequency spectrum of δ -Sct pulsating stars (in Spanish)*. Supervisors: Antonio García Hernández & Juan Carlos Suárez. Score: 10 (Distinction)
- DEGREE** Postgraduate Certificate in Education (**PGCE**)
- University Complutense University of Madrid (UCM)
 - Date July 2006
- DEGREE** **Physics Degree**
- Date September 2004
 - University University of Granada (UGR)
 - Score 1.803 over 4 (7.424 over 10)
- Date Academic year 2001/2002
 - Topics studied **Erasmus grant** in the Katholieke Universiteit Leuven, Belgium Acoustics, Stellar Structure and Evolution, Solar System and Exoplanets, making it a total of 24 ECTS.

LANGUAGES

- ENGLISH** **C2 Proficiency** (CPE), Cambridge University. Score: 212 over 230 (grade C)
- DUTCH** 12 ECTS (6+6) in the University of Granada. Score: Distinction

EXPERIENCE

- Date September 2019 – Now
PhD contract (FPI) in Instituto de Astrofísica de Andalucía
- Date March 2008 – July 2015
Optics engineer at IAA – CSIC and Sierra Nevada Observatory (OSN).
- Date December 2006 – May 2007
Initiation internship in the project “Realización de Mapa Sonoro Dinámico de la Ciudad de Granada” at UGR.

PUBLICATIONS (JCR)

- Authors D. Holdsworth et al., including **A. Ramón-Ballesta**.
 - Title TESS Cycle 1 observations of roAp stars with 2-min cadence data
- Reference Monthly Notices of the Royal Astronomical Society, Volume 506, Issue 1, pp.1073-1110
- Bibcode 2021MNRAS.506.1073H
- Authors **A. Ramón-Ballesta** et al.
 - Title Rotational Splittings in the frequency spacings of δ Scuti stars
- Reference Monthly Notices of the Royal Astronomical Society, Volume 505, Issue 4, pp.6217-6224
- Bibcode 2021MNRAS.505.6217R
- Authors J. C. Morales et al., including **A. Ramón Ballesta**
 - Title A giant exoplanet orbiting a very-low-mass star challenges planet formation models
- Reference Science, Volume 365, Issue 6460, pages 1441-1445
- Bibcode 2019Sci...365.1441M
- Authors M. Zechmeister et al., including **A. Ramón Ballesta**
 - Title The CARMENES search for exoplanets around M dwarfs: Two temperate Earth-mass planet candidates around Teegarden's Star
- Reference Astronomy & Astrophysics, Volume 627, id.A49, 14 pp
- Bibcode 2019A&A...627A..49Z
- Authors A. Reiners et al., including **A. Ramón**
 - Title The CARMENES search for exoplanets around M dwarfs. High-resolution optical and near-infrared spectroscopy of 324 survey star
- Reference Astronomy & Astrophysics, Volume 612, id.A49, 63 pp.
- Bibcode 2018A&A...612A..49R

- Authors A. Reiners et al., including **A. Ramón**
- Title The CARMENES search for exoplanets around M dwarfs. HD 147379b: A nearby Neptune in an early-M dwarf's temperate zone
- Reference Astronomy & Astrophysics, Volume 609, id.L5, 7 pp.
- Bibcode 2018A&A...609L...5R

- Authors T. Trifonov et al., including **A. Ramón**
- Title The CARMENES search for exoplanets around M dwarfs. First visual-channel radial-velocity measurements and orbital parameter updates of seven M-dwarf planetary systems
- Reference Astronomy & Astrophysics, Volume 609, id.A117, 24 pp.
- Bibcode 2018A&A...609A.117T

CONFERENCES ORGANISATION

- Conference PLATO Mission Conference 2021
- Committee LOC
- Place and date Online, 7 - 10 October 2021

- Conference XXI Conferencia Estatal de Astronomía
- Committee LOC
- Place and date Granada, Spain 1-4 May 2014

PROCEEDINGS AND CONFERENCES

- Authors **A. Ramón-Ballesta** et al.
- Title Paving the way to determine rotational splittings from the oscillation spectra of δ Scuti stars
- Type Talk
- Conference 8th Iberian Meeting on AsteroSeismology (8th I+)
- Reference (publication pending)
- Place and date Online, 18 - 21 October 2021

- Authors **A. Ramón-Ballesta** et al.
- Title Searching rotational splittings in δ -Scuti stars using pattern finding techniques
- Type Talk
- Conference PLATO Mission Conference 2021
- Reference Plato Mission Conference 2021. Presentations and posters of the online PLATO Mission Conference 2021, id.73
<https://zenodo.org/record/5562837#.YnLLzfftaZg>
- Place and date Online, 7 - 10 October 2021

- Authors S. Rams Sánchez et al., including **A. Ramón Ballesta**.
- Title ¿Qué editoriales de libros de texto de Educación Primaria para Ciencias de la Naturaleza se utilizan en Andalucía (curso 2020-21)?
- Type Talk
- Conference 11 Conferencia Internacional sobre Investigación en la Didáctica de las Ciencias
- Reference (publication pending)
- Place and date Online, 7-10 September 2021

- Authors S. Pla-Pueyo, **A. Ramón Ballesta** et al.
 - Title ¿Qué nombres de científicos/as ilustres conoce el estudiantado de Educación Primaria?
 - Type Talk
 - Conference X Conferencia Internacional de Educación y Aprendizaje en colaboración con la Universidad de Granada (GKA EDU 2021 virtual)
 - Reference (publication pending)
 - Place and date Online, 23 - 25 June 2021
-
- Autor **A. Ramón Ballesta**
 - Title Time-frequency analysis using the Wavelet Transform.
 - Type Talk
 - Conference 7th Iberian Meeting on AsteroSeismology (7th I+)
 - Place and date Online, 6 - 9 October 2020
-
- Authors S. Pla-Pueyo et al., including **A. Ramón Ballesta**
 - Title Percepción de género de profesiones científicas entre estudiantes de Educación Primaria
 - Type Talk
 - Conference 28 Encuentros de Didáctica de las Ciencias Experimentales
 - Reference Libro de actas (páginas 1277-1281):
<https://ruc.udc.es/dspace/bitstream/handle/2183/20935/28EncuentroDidacticaCienciasExperimentales.pdf?sequence=8&isAllowed=y>
 - Place and date A Coruña, Spain, 3 - 7 September 2018
-
- Authors A. García Hernández, **A. Ramón Ballesta** et al.
 - Title Rotational splitting in δ Sct: the hidden link.
 - Type Talk
 - Conference TASC4 & KASC11 Workshop: First Light in a new Era of Astrophysics
 - Reference Book of abstracts, pp 82. https://tasoc.dk/tasc4_conferencebook.pdf
 - Place and date Aarhus, Denmark, 9-13 July 2018
-
- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title CARMENES: high-resolution spectra and precise radial velocities in the red and infrared.
 - Conference SPIE Astronomical Telescopes + Instrumentation 2018
 - Reference Proceedings of the SPIE, Volume 10702, id. 107020W 18 pp. (2018).
 - Place and date Austin, Texas (USA), 10-15 June 2018
 - Bibcode 2018SPIE10702E..0WQ
-
- Authors S. Pla-Pueyo, **A. Ramón** et al.
 - Title Sedimentological characterisation of a Pleistocene fluvial tufa in the Granada Basin (Betic Cordillera, Spain)
 - Type Talk
 - Conference IMS 2017
 - Reference IMS 2017 Book of abstracts, pp 705
 - Place and date Toulouse, France, 10-12 Oct. 2017
-
- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title CARMENES – M Dwarfs and their Planets: First Results
 - Conference IAUS 328: Living around Active Stars
 - Reference Living Around Active Stars, Proceedings of the International Astronomical Union, IAU Symposium, Volume 328, pp. 46-53
 - Place and date Mareslas, Brazil, 17-21 Oct. 2016
 - Bibcode 2017IAUS..328...46Q

- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title CARMENES: an overview six months after first light
- Reference Proceedings of the SPIE, Volume 9908, id. 990812 pp. (2016).
- Bibcode 2016SPIE.9908E..12Q

- Authors S. Becerril et al., including **A. Ramón**
 - Title CARMENES-NIR channel spectrograph: how to achieve the full AIV at system level of a cryo-instrument in nine months
- Reference Proceedings of the SPIE, Volume 9910, id. 99100Q 17 pp. (2016).
- Bibcode 2016SPIE.9910E..0QB

- Authors S. Becerril et al., including **A. Ramón**
 - Title CARMENES-NIR channel spectrograph cooling system AIV: thermo-mechanical performance of the instrument
- Reference Proceedings of the SPIE, Volume 9912, id. 991262 11 pp. (2016).
- Bibcode 2016SPIE.9912E..62B

- Authors P. Amado and the CARMENES Consortium (including **A. Ramón**)
 - Title CARMENES: Commissioning and first scientific results at the telescope. A precursor for HIRES@E-ELT
- Reference Highlights on Spanish Astrophysics IX, Proceedings of the XII Scientific Meeting of the Spanish Astronomical Society held on July 18-22, 2016, in Bilbao, Spain, ISBN 978-84-617-8931-3. S. Arribas, A. Alonso-Herrero, F. Figueras, C. Hernández-Monteagudo, A. Sánchez-Lavega, S. Pérez-Hoyos (eds.), 2017 %, p.599-609
- Bibcode 2017hsa9.conf..599A

- Authors Andreas Quirrenbach et al., including **A. Ramón**
 - Title Searching exoplanets in the NIR with CARMENES
 - Type Poster
- Conference IAU XXIX General Assembly
- Reference <https://gears.guidebook.com/guide/39106/event/11378743/>
- Place and date Honolulu, HI, USA, 13-14 Ago. 2015

- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title CARMENES. I: instrument and survey overview
- Reference Proceedings of the SPIE, Volume 9147, id. 91471F 12 pp. (2014).
- Bibcode 2014SPIE.9147E..1FQ

- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title The CARMENES Survey: A Search for Terrestrial Planets in the Habitable Zones of M Dwarfs
- Reference Formation, Detection, and Characterization of Extrasolar Habitable Planets, Proceedings of the International Astronomical Union, IAU Symposium, Volume 293, pp. 177-182
- Bibcode 2014IAUS..293..177Q

- Authors Pedro J. Amado et al., including **A. Ramón**
 - Title Searching exoplanets in the NIR with CARMENES
 - Type Talk
- Conference Rencontres du Vietnam on Exoplanetary science
- Reference <http://vietnam.in2p3.fr/2014/exo/program.php>
- Place and date Quy Nhon, Vietnam, 20-26 Abr. 2014

- Authors Pedro J. Amado et al., including **A. Ramón**
- Title CARMENES como precursor de HIRES@E-ELT
- Type Talk
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference http://astromadrid.cab.inta-csic.es/wp-content/uploads/2013/10/02_01_02-CARMENES.pdf
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors Josep Guàrdia et al., including **A. Ramón**
- Title CARMENES at RIA-AstroMadrid. I. Instrument control system and scheduler
- Type Poster
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference <http://astromadrid.cab.inta-csic.es/wp-content/uploads/2013/10/12.CARMENES-201309-RIA-1-guardia.pdf>
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors J. A. Caballero et al., including **A. Ramón**
- Title CARMENES at RIA-AstroMadrid. II. Preparation of the best target sample from Spain and Chile
- Type Poster
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference <https://carmenes.caha.es/ext/conferences/CARMENES-201309-RIA-2-caballero.pdf>
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors F. J. Alonso-Floriano et al., including **A. Ramón**
- Title CARMENES at RIA-AstroMadrid. III. Low-resolution spectroscopy of M dwarfs with CAFOS at Calar Alto
- Type Poster
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference <https://carmenes.caha.es/ext/conferences/CARMENES-201309-RIA-3-alonsofloriano.pdf>
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors D. Montes et al., including **A. Ramón**
- Title CARMENES at RIA-AstroMadrid. IV. High-resolution spectroscopy of M dwarfs with FEROS, CAFE and HRS
- Type Poster
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference <https://carmenes.caha.es/ext/conferences/CARMENES-201309-RIA-4-montes.pdf>
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors M. Cortés-Contreras et al., including **A. Ramón**
- Title CARMENES at RIA-AstroMadrid. V. Multiplicity of M dwarfs with IAC80
- Type Poster
- Conference Encuentro RIA-AstroMadrid. Desarrollo de instrumentación astronómica en Spain (2013)
- Reference <https://carmenes.caha.es/ext/conferences/CARMENES-201309-RIA-5-cortescontreras.pdf>
- Place and date Madrid, Spain, 25-27 Sep. 2013

- Authors A. Quirrenbach et al., including **A. Ramón**
- Title CARMENES at PPVI. Looking for Exo-Earths around M Dwarfs
- Reference Protostars and Planets VI, Heidelberg, July 15-20, 2013. Poster #2K023
- Bibcode 2013prpl.conf2K023Q

- Authors P.J. Amado et al., including **A. Ramón**
 - Title CARMENES: A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs. A historical overview
- Reference Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.842-847
- Bibcode 2013hsa7.conf..842A

- Authors J.C. Morales et al., including **A. Ramón**
 - Title CARMENES. II. Science case and M-dwarf sample
- Reference Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.664-664
- Bibcode 2013hsa7.conf..664M

- Authors J.A. Caballero et al., including **A. Ramón**
 - Title CARMENES. III. CARMENCITA, the input catalogue
- Reference Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.645-645
- Bibcode 2013hsa7.conf..645C

- Authors F.J. Alonso-Floiano et al., including **A. Ramón**
 - Title CARMENES. IV. Preliminary low-resolution spectroscopic characterisation
- Reference Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.431-431
- Bibcode 2013hsa7.conf..431A

- Authors M. Cortés-Contreras et al., including **A. Ramón**
 - Title CARMENES. V. M dwarfs in multiple systems
- Reference Highlights of Spanish Astrophysics VII, Proceedings of the X Scientific Meeting of the Spanish Astronomical Society (SEA), held in Valencia, July 9 - 13, 2012, Eds.: J.C. Guirado, L.M. Lara, V. Quilis, and J. Gorgas., pp.646-646
- Bibcode 2013hsa7.conf..646C

- Authors A. Quirrenbach et al., including **A. Ramón**
 - Title CARMENES: Blue planets orbiting red dwarfs
- Reference Hot Planets and Cool Stars, Garching, Germany, Edited by Roberto Saglia; EPJ Web of Conferences, Volume 47, id.05006
- Bibcode 2013EPJWC..4705006Q

- Authors A. Quirrenbach et al. including **A. Ramón**
 - Title Final Design of the CARMENES M-Dwarf Radial-Velocity Survey Instrument
- Reference American Astronomical Society, AAS Meeting #221, id.149.05
- Bibcode 2013AAS...22114905Q

- Authors A. Quirrenbach et al. including **A. Ramón**
 - Title CARMENES at PPVI. 1. Looking for exo-earths around M dwarfs
 - Type Poster
- Conference Protostars and planets VI
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_PPVI_1_quirrenbach.pdf
- Place and date Heidelberg, Germany, 15-20 Jul. 2013

- Authors J. A. Caballero et al., including **A. Ramón**
- Title CARMENES at PPVI. 2. Carmencita herbs and spices to help you prepare a genuine target sample
- Type Poster
- Conference Protostars and planets VI
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_PPVI_2_caballero.pdf
- Place and date Heidelberg, Germany, 15-20 Jul. 2013

- Authors R. Mundt et al., including **A. Ramón**
- Title CARMENES at PPVI. 3. Low-resolution spectroscopy of M dwarfs with CAFOS
- Type Poster
- Conference Protostars and planets VI
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_PPVI_3_mundt.pdf
- Place and date Heidelberg, Germany, 15-20 Jul. 2013

- Authors F. J. Alonso-Floriano et al., including **A. Ramón**
- Title CARMENES at PPVI. 4. High-resolution spectroscopy of M dwarfs with FEROS, CAFE and HRS
- Type Poster
- Conference Protostars and planets VI
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_PPVI_4_alonsofloriano.pdf
- Place and date Heidelberg, Germany, 15-20 Jul. 2013

- Authors D. Montes et al., including **A. Ramón**
- Title CARMENES at PPVI. 5. Metallicity of M dwarfs
- Type Poster
- Conference Protostars and planets VI
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_PPVI_5_montes.pdf
- Place and date Heidelberg, Germany, 15-20 Jul. 2013

- Authors A. Quirrenbach et al. including **A. Ramón**
- Title CARMENES: blue planets orbiting red dwarfs
- Type Talk
- Conference IAU Symposium 299: Exploring the formation and evolution of planetary systems
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_IAUS299_Quirrenbach.pdf
- Place and date Victoria, Canada, 02-07 Jun. 2013

- Authors A. Quirrenbach et al. including **A. Ramón**
- Title Final Design of the CARMENES M-Dwarf Radial-Velocity Survey Instrument
- Type Talk
- Conference 221st meeting of the American Astronomical Society
- Reference 2013AAS...22114905Q
- Place and date Long Beach, CA, USA, 06-10 Ene. 2013

- Authors A. Quirrenbach et al. including **A. Ramón**
- Title CARMENES: blue planets orbiting red dwarfs
- Type Talk
- Conference RoPACS: Hot planets and cool stars
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_RoPACS_Quirrenbach.pdf
- Place and date Garching, Germany, 12-16 Nov. 2012

- Authors J. Sanz-Forcada et al., including **A. Ramón**
 - Title CARMENES: the new exoplanet hunter at Calar Alto
 - Type Poster
- Conference Planet Formation and Evolution 2012
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_PFE2012_SanzForcada.pdf
- Place and date Munich, Germany, 03-07 Sep. 2012

- Authors A. Quirrenbach et al. including **A. Ramón**
 - Title CARMENES. I. A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs
 - Type Talk
- Conference IAU XXVIII General Assembly (Formation, detection, and characterization of extrasolar habitable planets, IAU Symposium 293)
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_IAU28_1_Quirrenbach.ps
- Place and date Beijing, China, 20-31 Aug. 2012

- Authors D. Montes et al., including **A. Ramón**
 - Title CARMENES. II. Characterisation of the stellar sample
 - Type Poster
- Conference IAU XXVIII General Assembly (Formation, detection, and characterization of extrasolar habitable planets, IAU Symposium 293)
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_IAU28_2_Montes.pdf
- Place and date Beijing, China, 20-31 Aug. 2012

- Authors P. J. Amado et al., including **A. Ramón**
 - Title CARMENES. I. A radial-velocity survey for terrestrial planets in the habitable zones of M dwarfs
 - Type Talk
- Conference X Reunión Científica de la SEA
 - Reference <http://adsabs.harvard.edu/abs/2013hsa7.conf..842A>
- Place and date Valencia, Spain, 09-13 Jul. 2012

- Authors J. C. Morales et al., including **A. Ramón**
 - Title CARMENES. II. Science case and M-dwarf sample
 - Type Poster
- Conference X Reunión Científica de la SEA
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SEA2012_2_Morales.pdf
- Place and date Valencia, Spain, 09-13 Jul. 2012

- Authors J. A. Caballero et al., including **A. Ramón**
 - Title CARMENES. III. CARMENCITA, the input catalogue
 - Type Poster
- Conference X Reunión Científica de la SEA
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SEA2012_3_Caballero.pdf
- Place and date Valencia, Spain, 09-13 Jul. 2012

- Authors F. J. Alonso-Floriano et al., including **A. Ramón**
 - Title CARMENES. IV. Preliminary low-resolution spectroscopic characterisation
 - Type Poster
- Conference X Reunión Científica de la SEA
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SEA2012_4_AlonsoFloriano.pdf
- Place and date Valencia, Spain, 09-13 Jul. 2012

- Authors M. Cortés-Contreras et al., including **A. Ramón**
 - Title CARMENES. V. CARMENCITA M dwarfs in multiple systems
 - Type Poster
 - Conference X Reunión Científica de la SEA
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SEA2012_5_CortesContreras.pdf
 - Place and date Valencia, Spain, 09-13 Jul. 2012
-
- Authors A. Quirrenbach. et al., including **A. Ramón**
 - Title CARMENES. I: instrument and survey overview
 - Reference Ground-based and Airborne Instrumentation for Astronomy IV. Proceedings of the SPIE, Volume 8446, article id. 84460R, 13 pp. (2012).
 - Bibcode 2012SPIE.8446E..0RQ
-
- Authors W. Seifert et al., including **A. Ramón**
 - Title CARMENES. II: optical and opto-mechanical design
 - Reference Proceedings of the SPIE, Volume 8446, id. 844633 12 pp. (2012).
 - Bibcode 2012SPIE.8446..E33
-
- Authors S. Becerril et al., including **A. Ramón**
 - Title CARMENES. III: an innovative and challenging cooling system for an ultra-stable NIR spectrograph
 - Reference Modern Technologies in Space- and Ground-based Telescopes and Instrumentation II. Proceedings of the SPIE, Volume 8450, article id. 84504L, 12 pp. (2012).
 - Bibcode 2012SPIE.8450E..4LB
-
- Authors J. Guàrdia et al., including **A. Ramón**
 - Title CARMENES. IV: instrument control software
 - Reference Software and Cyberinfrastructure for Astronomy II. Proceedings of the SPIE, Volume 8451, article id. 84512S, 8 pp. (2012).
 - Bibcode 2012SPIE.8451E..2SG
-
- Authors P. J. Amado et al., including **A. Ramón**
 - Title CARMENES. V: non-cryogenic solutions for YJH-band NIR instruments.
 - Reference Modern Technologies in Space- and Ground-based Telescopes and Instrumentation II. Proceedings of the SPIE, Volume 8450, article id. 84501U, 13 pp. (2012).
 - Bibcode 2012SPIE.8450E..1UA
-
- Authors A. Quirrenbach et al. including **A. Ramón**
 - Title CARMENES. I: instrument and survey overview
 - Type Talk
 - Conference SPIE Astronomical Telescopes and Instrumentation 2012
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SPIE2012_1_Quirrenbach.pdf
 - Place and date Amsterdam, Netherlands, 01-06 Jul. 2012
-
- Authors W. Seifert et al., including **A. Ramón**
 - Title CARMENES. II: optical and opto-mechanical design
 - Type Poster
 - Conference SPIE Astronomical Telescopes and Instrumentation 2012
 - Reference https://carmenes.caha.es/ext/conferences/CARMENES_SPIE2012_2_Seifert.pdf
 - Place and date Amsterdam, Netherlands, 01-06 Jul. 2012

- Authors S. Becerril et al., including **A. Ramón**
- Title CARMENES. III: an innovative and challenging cooling system for an ultra-stable near-infrared spectrograph
- Type Talk and Poster
- Conference SPIE Astronomical Telescopes and Instrumentation 2012
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_SPIE2012_3_Becerril.pdf
- Place and date Amsterdam, Netherlands, 01-06 Jul. 2012

- Authors Josep Guàrdia et al., including **A. Ramón**
- Title CARMENES. IV: instrument control software
- Type Poster
- Conference SPIE Astronomical Telescopes and Instrumentation 2012
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_SPIE2012_4_Guardia.pdf
- Place and date Amsterdam, Netherlands, 01-06 Jul. 2012

- Authors P. J. Amado et al., including **A. Ramón**
- Title CARMENES. V: non-cryogenic solutions for YJH-band NIR instruments
- Type Talk
- Conference SPIE Astronomical Telescopes and Instrumentation 2012
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_SPIE2012_5_Amado.pdf
- Place and date Amsterdam, Netherlands, 01-06 Jul. 2012

- Authors A. Quirrenbach. et al., including **A. Ramón**
- Title CARMENES: A Radial-Velocity Survey for Terrestrial Planets in The Habitable Zones of M Dwarfs
- Reference American Astronomical Society, AAS Meeting #219, id.245.02
- Bibcode 2012AAS...21924502Q

- Authors Pedro J. Amado et al., including **A. Ramón**
- Title CARMENES. I. Instrument overview
- Type Poster
- Conference Cool Stars 17
- Reference http://coolstars17.net/ficha_participant.php?n=1331661466
- Place and date Barcelona, Spain, 24-29 Jun. 2012

- Authors J. A. Caballero et al., including **A. Ramón**
- Title CARMENES. II. CARMENCITA, the input catalogue
- Type Poster
- Conference Cool Stars 17
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_CS17_2_Caballero.pdf
- Place and date Barcelona, Spain, 24-29 Jun. 2012

- Authors V. J. S. Béjar et al., including **A. Ramón**
- Title CARMENES. III. High resolution imaging of nearby M dwarfs
- Type Poster
- Conference Cool Stars 17
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_CS17_3_Bejar.pdf
- Place and date Barcelona, Spain, 24-29 Jun. 2012

- Authors F. J. Alonso-Floriano et al., including **A. Ramón**
- Title CARMENES. IV. Preliminary low-resolution spectroscopic characterisation
- Type Poster
- Conference Cool Stars 17
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_CS17_4_AlonsoFloriano.pdf
- Place and date Barcelona, Spain, 24-29 Jun. 2012

- Authors S. Lalitha et al., including **A. Ramón**
- Title CARMENES. V. X-ray characterization
- Type Poster
- Conference Cool Stars 17
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_CS17_5_Lalitha.pdf
- Place and date Barcelona, Spain, 24-29 Jun. 2012

- Authors A. Klutsch et al., including **A. Ramón**
- Title Spectral characterisation of the CARMENES input catalogue
- Type Poster
- Conference Semaine de l'Astrophysique Française
- Reference http://carmenes.caha.es/ext/conferences/CARMENES_SF2A2012_Klutsch.pdf
- Place and date Nice, France, 05-08 Jun. 2012

- Authors J. A. Caballero et al., including **A. Ramón**
- Title CARMENES: the new exoplanet hunter at Calar Alto
- Type Poster
- Conference Spanish ICTS contributions to ESA's Gaia mission + Science with the optical-infrared telescopes at CAHA and ORM in the coming decade
- Reference https://carmenes.caha.es/ext/conferences/CARMENES_RIA2012_Caballero.pdf
- Place and date Madrid, Spain, 21-23 Mar. 2012

- Authors Quirrenbach, A. et al. including **Ramón, A.**
- Title CARMENES: A Radial-Velocity Survey for Terrestrial Planets in The Habitable Zones of M Dwarfs
- Type Talk
- Conference Observing Planetary Systems II
- Reference http://www.eso.org/sci/meetings/2012/OPSII/Contributions/Talks/Day4/Session4_AQuirrenbach.pdf
- Place and date Santiago, Chile, 05-08 Mar. 2012

- Authors Quirrenbach, A. et al. including **Ramón, A.**
- Title CARMENES: A Radial-Velocity Survey for Terrestrial Planets in The Habitable Zones of M Dwarfs
- Type Poster
- Conference 219th American Astronomical Society Meeting
- Reference 2012AAS...21924502Q
- Place and date Austin, TX, USA, 08-12 ene. 2012

- Authors Quirrenbach, A. et al. including **Ramón, A.**
- Title CARMENES: A Radial-Velocity Survey for Terrestrial Planets in The Habitable Zones of M Dwarfs
- Type Poster
- Conference First Kepler Science Conference
- Reference <http://kepler.nasa.gov/files/mws/keplercon/Prog016-018Posters.pdf>
- Place and date Moffett, CA, USA, 05-07 Dic. 2011

- Authors J. A. Caballero et al., including **A. Ramón**
- Title CARMENES: Towards the detection of exoearths
- Reference 16th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun. ASP Conference Series, Vol. 448, proceedings of a conference held August 28- September 2, 2010 at the University of Washington, Seattle, Washington. Edited by Christopher M. Johns-Krull, Matthew K. Browning, and Andrew A. West. San Francisco: Astronomical Society of the Pacific, 2012., p.581
- Bibcode 2011ASPC..448..581C

- Authors S. Schäfer et al. including **A. Ramón**
- Title High Precision Radial Velocities and Magnetic Activity with CARMENES
- Type Poster
- Conference Magnetic Fields in Stars and Exoplanets
- Reference https://carmenes.caha.es/ext/publications/CARMENES_Schaeferetal2011_Potsdam.pdf
- Place and date Potsdam, Germany, 22-28 Ago. 2011

- Authors A. Quirrenbach. et al., including **A. Ramón**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with Near-infrared and optical Echelle Spectrographs
- Reference The Astrophysics of Planetary Systems: Formation, Structure, and Dynamical Evolution, Proceedings of the International Astronomical Union, IAU Symposium, Volume 276, p. 545-546
- Bibcode 2011IAUS..276..545Q

- Authors Caballero, J.A. et al., including **A. Ramón**
- Title CARMENES: Towards the detection of exoearths
- Type Poster
- Conference Cool Stars 16
- Reference https://carmenes.caha.es/ext/publications/CARMENES_Caballeroetal2010_Seattle.pdf
- Place and date Seattle, WA, USA, 29 Ago. - 03 Sep. 2010

- Authors Quirrenbach, A. et al. including **Ramón, A.**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph
- Type Talk
- Conference Astronomy of Exoplanets with Precise Radial Velocities
- Reference <http://exoplanets.astro.psu.edu/workshop/presentation/2-j-Quirrenbach-CARMENES.pdf>
- Place and date Pennsylvania, PA, USA, 16-19 Ago. 2010

- Authors Caballero, J.A. et al., including **A. Ramón**
- Title CARMENES: Technical details.
- Type Poster
- Conference Astronomy of Exoplanets with Precise Radial Velocities
- Reference https://carmenes.caha.es/ext/publications/CARMENES_Caballeroetal2010_PennsylvaniaSeattle.pdf
- Place and date Pennsylvania, PA, USA, 16-19 Ago. 2010

- Authors A. Quirrenbach. et al., including **A. Ramón**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph
- Reference Pathways Towards Habitable Planets, proceedings of a workshop held 14 to 18 September 2009 in Barcelona, Spain. Edited by Vincent Coudé du Foresto, Dawn M. Gelino, and Ignasi Ribas. San Francisco: Astronomical Society of the Pacific, p.521
- Bibcode 2010ASPC..430..521Q

- Authors Quirrenbach, A. et al., including **Ramón, A.**
- Title CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph
- Reference Proceedings of the SPIE, Volume 7735, id. 773513 (2010).
- Bibcode 2010SPIE.7735E..37Q

- Authors Becerril, Santiago et al., including **Ramón, Alejandro.**
- Title Comprehensive transient-state study for CARMENES NIR high-thermal stability
- Reference Proceedings of the SPIE, Volume 7735, id. 77352S (2010).
- Bibcode 2010SPIE.7735E..95B

- Authors Rodríguez Trinidad, Alicia et al., including **Ramón Ballesta, Alejandro.**
- Title A simple way to build an ANSI-C like compiler from scratch and embed it on the instrument's software
- Reference Proceedings of the SPIE, Volume 7740, id. 774025 (2010).
- Bibcode 2010SPIE.7740E..71R

- Authors J. A. Caballero et al., including **A. Ramon**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph
- Type Poster
- Conference Towards other earths. Perspectives and limitations in the ELT era.
- Reference http://www.astro.up.pt/investigacao/conferencias/toe2009/DVD/posters/J.A.Caballero_A.Quirrenbach.pdf
- Place and date Porto, Portugal. 19-23 Oct. 2009

- Authors P. J. Amado et al., including **A. Ramon**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph
- Type Talk
- Conference Scientific and technological challenges in the development of astronomical instrumentation: ALMA and E-ELT
- Reference http://laeff.inta.es/projects/astrid/Laeff/Astrid/2009_Workshop/24_Amado_CARMENES_Madrid20090924.lr.pdf
- Place and date Madrid, Spain. 23-25 Sep. 2009

- Authors J. A. Caballero et al., including **A. Ramon**
- Title CARMENES: Calar Alto high-Resolution search for M dwarfs with Exo-earths with a Near-infrared Echelle Spectrograph
- Type Poster
- Conference Scientific and technological challenges in the development of astronomical instrumentation: ALMA and E-ELT
- Reference http://laeff.inta.es/projects/astrid/Laeff/Astrid/2009_Workshop/Posters/Poster-ASTRID-Caballero-Carmenes.pdf
- Place and date Madrid, Spain. 23-25 Sep. 2009

OUTREACH

- Date Academic year 2017/2018
Design and mentoring of "Astronomy Workshop" in the Facultad de Ciencias de la Educación of the UGR, intended for students and teachers of 5th grade primary education.
- Date 20 October 2017
Observing night with the outreach company "*Azimuth Educación y Turismo Científico SL*".
- Date August 2010, 2011, 2012, 2013, 2014, 2015 and 2016
Public observing nights related to the Perseids meteor shower.
- Date Summer 2008, 2009, 2010, 2011, 2012, 2013, 2014 and 2015.
Guided visits to Observatorio de Sierra Nevada and observing nights aimed to the visitors.
- Date 21 September 2012
Public observing activities related to the "Ciencia en la calle" (Science at the streets) event.(<http://www.iaa.es/cienciaenlacalle>).
- Date Academic years 2010/2011 and 2011/2012
Mentoring of secondary school students as part of the project PIISA (<http://piisagranada.blogspot.com.es> ND <http://www.piiisa.es>).
- Date 2 to 5 April 2009
Public solar observing as part of the "100 Hours of Astronomy" event held at the IAA-CSIC.
- Date April 2007
Co-organiser and teacher of the "Course on Observational Astronomy" held at the UGR.
- Date November 2006
Public observings with the IAA-CSIC in the "Week of Science" event.

OTHER COURSES

- Date 6 April 2022
"Creating Google Forms surveys" (2 hours) at UGR.
- Date 28 June - 5 July 2021
"Basic statistics techniques applied in experimental science: Basis, interpretation and its implementation in R" (20 hours) at UGR.
- Date 14 - 25 June 2021
"Advanced Python in Science and Engineering" (20 hours) at UGR.
- Date March - May 2021
"R and R-studio" (25 hours), at UGR.
- Date 7 April de 2021
"Matplotlib for beginners: a brief Severo Ochoa workshop" (5 hours) at IAA-CSIC.

- Date 26 February - 12 March 2021
"Introduction to LaTeX language" (8 hours) at UGR.
- Date 29 January 2021
"Workshop for doctorate students: How to make a thesis plan" (2 hours) at UGR.
- Date 18 January - 1 February 2021
"Planets, exoplanets and their systems in a broad and multidisciplinary context" (70 hours) at IAA-CSIC.
- Date 14 January 2021
"How to build a theoretical framework" (1,5 hours) at UGR.
- Date 6 - 9 October 2020
"Dark sky as a scientific, cultural, environmental and touristic resource" (25 hours) at *Universidad Internacional de Andalucía*.
- Date 16 & 17 September 2020
"First Severo Ochoa IAA (SO-IAA) Workshop on scientific writing and oral presentations in astronomy" (6 hours) at IAA-CSIC.
- Date 10 June 2020
"General aspects on SARS-CoV-2" (1 hour) at IAA-CSIC.
- Date 29 April 2020
"How to manage your references using Mendeley" (1,5 hours) at UGR.
- Date 20 April - 15 May 2020
"Introduction to online Python programming" (30 hours) at CSIC.
- Date 25 March 2020
"E-learning and emergent pedagogies in a confined university" (1 hour) at UGR.
- Date 3 - 5 March 2020
"Tools for research developing" (9 hours) at UGR.
- Date 20 & 21 November 2019
"Outreach skills" (13 hours) at IAA-CSIC.
- Date October - December 2016
"Applied photography and urban landscape" (24 hours) at UGR.
- Date October 2015 - June 2016
"Scientific imaging of heritage" (120 hours) at ICON-FCICOP and UGR.
- Date June 2015
"Risk assessments for works at height" (8 hours) at IAA-CSIC.
- Date June 2014
"Handling liquid nitrogen in a lab" (5 hours) at IAA-CSIC.
- Date May 2014
"Emergencies and fire extinguishers" (2 hours) at IAA-CSIC.

- Date February 2013
"PC DMIS CAD V2012 MR1" (24 hours) at IAA-CSIC.
- Date February 2012
"V.6 for Academia PLM Discover" (60 hours) at IAA-CSIC.
- Date January 2012
"Optical System Design using ZEMAX" (30,5 hours) at Optima Research HQ in Stansted (UK).
- Date May 2010
"Advanced GRID and parallelisation" (25 hours) at IAA-CSIC.
- Date May 2010
"Social skills in leadership" (10 hours) at IAA-CSIC.
- Date May 2009
"First Aids" (3 hours) at IAA-CSIC.
- Date May 2009
"Optics basis in Instrumentation" (18 hours) at FRACTAL SLNE HQ in Madrid (Spain).
- Date April 2009
"Image analysis" (10 hours) at UGR.
- Date September 2005
"Astrobiology. The search for life beyond Earth" (30 hours) at UGR.
- Date Julio 2005
"10th Encounters on solar energy" at Parque de las Ciencias in Granada (Spain).