

CURRICULUM VITAE
Dr. ALEKSANDAR CIKOTA

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CURRENT POSITION

Lawrence Berkeley National Laboratory, Berkeley, USA
Supernova Cosmology Postdoctoral Scholar (Physics Division)
Advisor: Prof. Saul Perlmutter

August 2018 –

POSITIONS HELD

European Southern Observatory, Garching, Germany
PhD Student
Advisor: Dr. Ferdinando Patat

September 2015 – August 2018

EDUCATION

Ludwig-Maximilians-Universität München, Germany
PhD in Astrophysics
PhD thesis title: Narrowing down supernova progenitors with (spectro)polarimetry
Advisors: Dr. Ferdinando Patat (ESO), Prof. A.W.A. Pauldrach (LMU)

September 2015 – July 2018

AstroMundus Joint Masters Course in Astronomy & Astrophysics
MSc in Astrophysics
1st semester: University of Innsbruck, Austria;
2nd semester: University of Padova, Italy;
3rd semester: University of Belgrade, Serbia;
4th semester: University of Innsbruck, Austria

September 2013 – July 2015

Master's thesis topic: "A study of the effect of host galaxy extinction on the colors of type Ia supernovae"
Advisors: Dr. Susana Deustua (STScI), Prof. Francine Marleau (Univ. of Innsbruck)

University of Split, Croatia
B.S. in Physics

March 2011 – July 2012

Bachelor's thesis topic: "Astrometric detection of trans-Neptunian object (90482) Orcus' satellite Vanth"
Advisors: Dr. Jose-Luis Ortiz (IAA-CSIC), Prof. Dejan Vinković (Univ. of Split)

University of Zurich, Switzerland
Student of Physics

September 2007 – March 2011

WORK EXPERIENCE

Observatorio Astronomico de La Sagra
J75 La Sagra Sky Survey team member

September 2006 – September 2009

Andalusia, Spain

· Participated in over 300 observing nights (most of them remotely), developed pipelines and software, contributed to the discovery of over 3100 main belt asteroids, 12 Near Earth Objects, the fourth Martian trojan (2007 NS₂), one comet (P/2009 QG₃₁ La Sagra) and a couple of nova stars in M31. For more information click [here](#).

RESEARCH INTERNSHIPS

• **Space Telescope Science Institute**
Research intern, Supervisor: Dr. Susana Deustua

March 9th – July 1st, 2015
Baltimore, MD

Topics: *Effect of host galaxy dust extinction on type Ia SNe; Standard stars observed with HST*

- **Max-Planck-Institute for Extraterrestrial Physics** August 4th – 22nd, 2014
Summer student, Supervisor: Dr. Jochen Greiner Garching b. München, Germany
Topic: Gamma Ray Burst host galaxies photometry; DAAD proposal writing
- **Space Telescope Science Institute** May 10th – July 30th, 2010
Summer student, Supervisor: Dr. Susana Deustua Baltimore, MD
Topic: A study of the effect of host galaxy extinction on the colors of type Ia supernovae
- **Student Summer Program at Space Telescope Science Institute** June 23th – August 30th, 2008
Summer student, Supervisor: Dr. Susana Deustua Baltimore, MD
Topic: A study of the effect of SINGS galaxy extinction on the colors of type Ia supernovae

COLLABORATION VISITS

- **Visitor at UNSW Canberra at ADFA** February 18 – 20, 2018
Hosts: Prof. Ivo Seitenzahl & Prof. Ashley Ruiter Canberra, Australia
Topics: Young supernova remnants, SN progenitors
- **Visitor at CAS, Swinburne University** February 9 – 17, 2018
Host: Prof. Jeffrey Cooke Melbourne, Australia
Topics: Deeper, Wider, Faster run, pipeline improvement, visualization
- **Visitor at Texas A&M University** September 11 – October 13, 2017
Host: Prof. Lifan Wang College Station, TX
Topics: Supernovae Ia spectropolarimetry, observing proposals, future projects
- **Visitor at Armagh Observaotry** November 7–22, 2016
Host: Dr. Stefano Bagnulo Armagh, UK
Topic: Spectropolarimetry with VLT/FORS2 (LIPS; instrument stability)
- **Visitor at Space Telescope Science Institute** May 20-26, 2016
Host: Dr. Susana Deustua Baltimore, MD
Topic: Superluminous supernovae and future projects

COLLABORATIONS MEMBER

- (e)PESSTO: the (extended) Public ESO Spectroscopic Survey of Transient Objects 2015 – present
- ENGRAVE: Electromagnetic counterparts of gravitational wave sources at the Very Large Telescope 2018 – present

SERVICE

- WFIRST mission**, member at the Supernova Cosmology Science Investigation Team 2018 – present
- ESO's Observing Programmes Office**, P103 Distributed peer review experiment participant 2018
- ESO's Informal Discussion**, Organizing Committee member 2017 – 2018
- ESO Studentship Programme**, Selection Committee member 2017
- IMPRS talks – 1st Student Symposium**, Local Organizing Committee member 2016
- The Brijuni Conference**, Organizing Committee member 2014

AWARDS & GRANTS

- Best Poster Prize at the 660. Wilhelm und Else Heraeus-Seminar, Bad Honnef, Germany January 2018
- Award for the Best Master Thesis of Fourth Astromundus Generation December 2015
- Award for the Best Thesis Poster Presentation of Fourth Astromundus Generation July 2015
- PhD Fellowship, European Southern Observatory, Garching, Germany September 2015 – 2018
- Short-term Scholar, Space Telescope Science Institute, Baltimore, MD 2015
- AstroMundus category B scholarship September 2013 – July 2015

- Director’s Discretionary Research Fund grant, Space Telescope Science Institute, Baltimore, MD 2010
- Travel grant, Space Telescope Science Institute, Baltimore, MD 2009
- Short-term Scholar, Space Telescope Science Institute, Baltimore, MD 2008

HARDWARE AND SOFTWARE SKILLS

Computer Programming	Expert in Python (since 2005); knowledge of IDL, C#, Matlab, PHP, MySQL, C++, Arduino
Python skill set	numpy, scipy, pyfits, pyraf, astropy, matplotlib, emcee; (linear algebra, Fourier transforms, Monte Carlo analysis, nonlinear numerical methods, polynomials, statistics, multidimensional binary search trees, visualization)
Knowledge of	IRAF, SAO DS9, SExtractor, DC3 PinPoint Astrometric Engine, bbcp–SLAC
Editing Software	T _E X (L ^A T _E X, B _I B _T E _X), Microsoft Office, OpenOffice, Adobe Photoshop, Adobe Illustrator, Adobe Dreamweaver, Corel Draw, QuarkXPress, other
Operating systems	MacOS X, Windows, Linux
Cluster computing	Beowulf cluster at STScI in Baltimore, Fermi at Belgrade Observatory

OBSERVING EXPERIENCE

- ESO VLT ToO Observations Triggering** 2016 – present
- Numerous times I prepared and triggered follow-up observations of transients for the ToO Programs ”Spectroscopy of Very Early Supernovae” and ”Probing the geometry of superluminous supernovae”, and reduced the data.
 - Instruments: FORS2 on VLT (spectroscopy, polarimetry, spectropolarimetry)
- PESSTO Observing run 197.D-1075(C)** December 17 2016 – January 5, 2017
ESO La Silla Observatory Chile
- Transients follow up and classification; three subruns, 11 nights
 - Instruments: EFOSC2 and SOFI at 3.58 m New Technology Telescope
- PESSTO Observing run 191.D-0935(T)** January 26 – February 6, 2016
ESO La Silla Observatory Chile
- Transients follow up and classification; two subruns, 7 nights
 - Instruments: EFOSC2 and SOFI at 3.58 m New Technology Telescope
- Expedition La Sagra – Part 2** December 27, 2007 – January 12, 2008
Observatorio Astronomico de La Sagra Andalusia, Spain
- Observing, data reduction and software development
 - Equipment: Centurion 0.45m f/2.8 Centurion + STL11000M, two 0.35m f/2 ”Sagras” + ST10XME
 - Specific discoveries: 2008 AA, the first discovered asteroid in 2008
- Expedition La Sagra** July 03 – 31, 2007
Observatorio Astronomico de La Sagra Andalusia, Spain
- Equipment: Centurion 0.45m f/2.8 Centurion + STL11000M, two 0.35m f/2 ”Sagras” + ST10XME
 - Data reduction was done semi-automatically and follow-up remotely with smaller telescopes at Observatorio Astronomico de Mallorca
 - 60 asteroid discoveries. Specific discoveries: Martian Trojan 2007 NS2, a new optical Nova in M31

OBSERVING PROPOSALS

Telescope programs as Principal-Investigator

- *An imaging-polarimetry survey of Type Ia Supernovae: Is the nature of the progenitors encoded in the peculiar line-of-sight dust properties?*
 - ESO VLT/FORS2, 0102.D-0163(A), 28.0 h ToO
 - ESO VLT/FORS2, 0101.D-0190(A), 28.0 h ToO
- *Investigating the Supernovae Ia progenitor question: Dust around R Sculptoris*
 - ESO VLT/FORS2, 0100.D-0275(A), 0.5 h
- *Effect of slit on linear polarization measurements*
 - ESO VLT/FORS2, TTR-099.0066, 1.0 h

Telescope programs as Co-Investigator

- *Spectroscopy of Very Early Supernovae*
 - ESO VLT/FORS2, 098.D-0780(A), 10 h ToO, PI: Patat
 - ESO VLT/FORS2, 099.D-0202(A), 10 h ToO, PI: Patat
 - ESO VLT/FORS2, 0100.D-0163(A), 11 h ToO, PI: Patat
 - ESO VLT/FORS2, 0101.D-0526(A), 11 h ToO, PI: Patat
 - ESO VLT/FORS2, 0102.D-0077(A), 11 h ToO, PI: Patat
- *Probing the geometry of superluminous supernovae*
 - ESO VLT/FORS2, 098.D-0532(A), 15 h ToO, PI: Inserra
 - ESO VLT/FORS2, 099.D-0169(A), 15 h ToO, PI: Leloudas
 - ESO VLT/FORS2, 0100.D-0209(A), 15 h ToO, PI: Inserra
- *Is there anything special with the dust around RS Ophiuchi?*
 - ESO VLT/FORS2, 099.D-0779(A), 2 h, PI: Patat
- *What is the metallicity of the cool ISM in our own Galaxy?*
 - HST Cycle 25, ID 15335, 26 orbits, PI: De Cia
- *Dissecting the Galaxy: ESPRESSO tomography of the ISM.*
 - ESO VLT/ESPRESSO, 0102.C-0699(A), 5.4 h, PI: De Cia
- *Spectropolarimetry of Infant Supernovae*
 - ESO VLT/FORS2, 0101.D-0817(A), 10.9 h ToO, PI: Yang
 - ESO VLT/FORS2, 0102.D-0528(A), 11.3 h ToO, PI: Yang
- *Testing the unification scenario for Tidal Disruption Events*
 - ESO VLT, 0102.D-0116(A), 14.5 h ToO, PI: Leloudas
- *ePESSTO: the extended Public ESO Spectroscopic Survey of Transient Objects*
 - ESO NTT/EFOCS2+SOFI, 199.D-0143, 208.5 nights, PI: Smartt
- *ENGRAVE: Electromagnetic counterparts of gravitational wave sources at the Very Large Telescope*
 - ESO VLT, 0102.D-0348 (61.5h), 1102.D-0353 (68h), ToO, PI: Collaboration

TEACHING EXPERIENCE

Visnjan School of Astronomy 2009

"Photometry group" team leader

August 15 – 25, 2009

Visnjan, Croatia

- Introduction into Python, variable star search in the database of Tel Aviv Observatory and photometry

Visnjan School of Astronomy 2007

"Visnjan Observatory Robotic Telescope group" team leader

August 05 – 15, 2007

Visnjan, Croatia

- Introduction into Python, programming an interface to control a telescope

PUBLIC OUTREACH

Sinj Festival of Science

Public night sky observing sessions

October 21 – 25, 2012

Sinj, Croatia

Naming of the asteroid 187700 Zagreb (2008 EG8)

JPL Orbit

April, 2009

Zagreb, Croatia

First author publications: 6; Second or third author publications: 3; Total publications: 19

1. Dennis, Alp; et al. **"The 30-Year Search for the Compact Object in SN 1987A"**, 2018, *accepted for publication in ApJ*
2. **Cikota, Aleksandar**; Leloudas, Giorgos; Cikota, Stefan; Spyromilio, Jason; Inserra, Cosimo; Chen, Ting-Wan; Cano, Zach; Cano, Patat, Ferdinando (2018). **"Testing the magnetar scenario for superluminous supernovae with circular polarimetry"**, *MNRAS*, 479, 4984
3. **Cikota, Aleksandar**; Hoang, Thiem; Patat, Ferdinando; Mazzei, Paola; Cox, Nick; Zelaya, Paula; Taubenberger, Stefan; Cikota, Stefan; Tomasella, Lina (2018). **"Spectropolarimetry of Galactic stars along anomalous extinction sightlines"**, *A&A*, 615, A42
4. Yi Yang, Lifan Wang, Dietrich Baade, Peter J. Brown, **Aleksandar Cikota**, Misty Cracraft, Peter A. Höflich, Justyn Maund, Ferdinando Patat, William B. Sparks, Jason Spyromilio, Heloise F. Stevance, Xiaofeng Wang, J. Craig Wheeler (2018). **"Mapping circumstellar matter with polarized light – The case of Supernova 2014J in M82"**, *ApJ*, 854, 55
5. Stefan Cikota, Estela Fernández-Valenzuela, Jose Luis Ortiz, Nicolás Morales, René Duffard, Jesus Aceituno, **Aleksandar Cikota**, Pablo Santos-Sanz (2018). **"Activity of (2060) Chiron possibly caused by impacts?"**, *MNRAS*, 475, 2512
6. L. Tartaglia, D. J. Sand, S. Valenti, S. Wyatt, J. P. Anderson, I. Arcavi, C. Ashall, M. T. Botticella, R. Cartier, T. W. Chen, **A. Cikota** +37 co-authors (2018). **"The early detection and follow-up of the highly obscured Type II supernova 2016ija/DLT16am"**, *The Astrophysical Journal*, 853, 62
7. Yi Yang, Lifan Wang, Dietrich Baade, Peter J. Brown, **Aleksandar Cikota**, Misty Cracraft, Peter A. Höflich, Justyn Maund, Ferdinando Patat, William B. Sparks, Jason Spyromilio, Heloise F. Stevance, Xiaofeng Wang, J. Craig Wheeler (2018). **"Late-time Flattening of Type Ia Supernova Light Curves: Constraints from SN 2014J in M82"**, *The Astrophysical Journal* 852
8. B. P. Abbott + 3680 co-authors incl. **A. Cikota** (2017). **"Multi-messenger Observations of a Binary Neutron Star Merger"**, *The Astrophysical Journal Letters* 848
9. Stefano Bagnulo, Nick L.J. Cox, **Aleksandar Cikota**, Ralf Siebenmorgen, Nikolai V. Voshchinnikov, Ferdinando Patat, Keith T. Smith, and the LIPS collaboration (2017). **"Large Interstellar Polarisation Survey – LIPS I. FORS2 spectropolarimetry in the Southern Hemisphere"**, *Astronomy & Astrophysics*, 608
10. S. J. Smartt, T.-W. Chen, A. Jerkstrand, M. Coughlin, E. Kankare, S. A. Sim, M. Fraser, C. Inserra, K. Maguire, K. C. Chambers, M. E. Huber, T. Krühler, G. Leloudas, M. Magee, L. J. Shingles, K. W. Smith, D. R. Young, J. Tonry, R. Kotak, A. Gal-Yam, J. D. Lyman, D. S. Homan, C. Agliozzo, J. P. Anderson, C. R. Angus, C. Ashall, C. Barbarino, F. E. Bauer, M. Berton, M. T. Botticella, M. Bulla, J. Bulger, G. Cannizzaro, Z. Cano, R. Cartier, **A. Cikota** +86 co-authors (2017). **"A kilonova as the electromagnetic counterpart to a gravitational-wave source"**, *Nature* 551, 75 (November 2, 2017)
11. J. L. Ortiz, P. Santos-Sanz, B. Sicardy, G. Benedetti-Rossi, N. Morales, R. Duffard, U. Hopp, C. Ries, V. Nascimbeni, F. Marzari, V. Granata, A. Pál, C. Kiss, T. Pribulla, R. Komžík, K. Hornoch, P. Pravec, P. Bacci, M. Maestripiéri, L. Nerli, L. Mazzei, M. Bachini, F. Martinelli, G. Succi, F. Ciabattari, H. Mikuž, J. Skvarč, A. Carbognani, B. Gaehrken, S. Mottola, S. Hellmich, D. Bérard, F. Braga-Ribas, F. L. Rommel, E. Fernández-Valenzuela, A. Campo Bagatin, S. Cikota, **A. Cikota**, +53 co-authors (2017). **"The size, shape, density and ring of the dwarf planet Haumea from a stellar occultation"**, *Nature* 550, 219 (October 12, 2017)
12. **Cikota, Aleksandar**; Patat, Ferdinando; Cikota, Stefan; Spyromilio, Jason; Rau, Gioia (2017). **"Common continuum polarization properties: a possible link between proto-planetary nebulae and Type Ia Supernovae progenitors"**, *Monthly Notices of the Royal Astronomical Society* 471
13. **Cikota, Aleksandar**; De Cia, Annalisa; Schulze, Steve; Vreeswijk, Paul M.; Leloudas, Giorgos; Gal-Yam, Avishay; Perley, Daniel A.; Cikota, Stefan; Kim, Sam; Patat, Ferdinando; Lunnan, Ragnhild; Quimby, Robert; Yaron, Ofer; Yan, Lin; Mazzali, Paolo A. (2017). **"Spatially resolved analysis of Superluminous Supernovae PTF 11hrq and PTF 12dam host galaxies"**, *Monthly Notices of the Royal Astronomical Society* 469
14. **Cikota, Aleksandar**; Patat, Ferdinando; Cikota, Stefan; Faran, Tamar (2017). **"Linear spectropolarimetry of polarimetric standard stars with VLT/FORS2"**, *Monthly Notices of the Royal Astronomical Society* 464

15. **Cikota, A.**; Deustua, S.; Marleau, F. (2016). "Determining type Ia supernova host galaxy extinction probabilities and a statistical approach to estimating the absorption-to-reddening ratio R_V ", *The Astrophysical Journal* 819
16. Hanuš, J.; Ďurech, J.; Oszkiewicz, D. A.; Behrend, R.; and 165 coauthors (2016). "New and updated convex shape models of asteroids based on optical data from a large collaboration network", *Astronomy & Astrophysics* 586
17. Jochen Greiner, Derek B. Fox, Patricia Schady, Thomas Krühler, Michele Trenti, **Aleksandar Cikota**, Jan Bolmer, Jonathan Elliott, Corentin Delvaux, Rosalba Perna, Paulo Afonso, D. Alexander Kann, Sylvio Klose, Sandra Savaglio, Sebastian Schmidl, Tassilo Schweyer, Mohit Tanga, Karla Varela (2015). "Gamma-Ray Bursts Trace UV Metrics of Star Formation over $3 < z < 5$ ", *The Astrophysical Journal* 809
18. Cikota, S.; Ortiz, J. L.; **Cikota, A.**; Morales, N.; Tancredi, G. (2014). "A photometric search for active main belt asteroids", *Astronomy & Astrophysics* 562
19. Ortiz, J. L.; **Cikota, A.**; Cikota, S.; Hestroffer, D.; Thirouin, A.; Morales, N.; Duffard, R.; Gil-Hutton, R.; Santos-Sanz, P.; de la Cueva, I. (2011). "A mid-term astrometric and photometric study of Trans-Neptunian Object (90482) Orcus", *Astronomy & Astrophysics* 525

PAPERS IN PREPARATION

1. **Cikota, Aleksandar**, et al. "Linear spectropolarimetry of Type Ia Supernovae with VLT/FORS: A statistical analysis of linear polarization in absorption lines", *in preparation*

OTHER PUBLICATIONS

- To see all SAO/NASA ADS entries, including 30 Astronomical Telegrams related to PESSTO observations, and over **115** *Minor Planet Electronic Circulars* describing discoveries and follow-up astrometry of minor planets and comets from four different locations (Observatorio Astronomico de La Sagra (MPC J75), Observatorio Astronomico de Mallorca (MPC 620), IAA-AI Atacama (MPC I16), Cerro Burek (MPC I08)), click [here](#).
1. Cikota, S.; **Cikota, A.** (2010). "Lightcurve Photometry of 112 Iphigenia" *Minor Planet Bulletin* 37, 107
 2. Cikota, S.; Sanchez, S.; Nomen, J.; Rodrigez, J.; **Cikota, A.** (2010). "Lightcurve photometry of the NEO 2007 PU11" *Minor Planet Bulletin* 37, 23

CONFERENCE TALKS

1. **Cikota, A.** Investigating progenitors of Type Ia SNe using spectropolarimetry, at the *South American Supernova meeting 2018* at ESO in Santiago, Chile, April 16–19, 2018
2. **Cikota, A.** Investigating Progenitors of Type Ia Supernovae using Spectropolarimetry In: *5th IMPRS Symposium* at Max-Planck-Institute for Extraterrestrial Physics, Garching, Germany, April 12–13, 2018
3. **Cikota, A.** Spectropolarimetry of Supernovae Ia, at the *Deciphering the Violent Universe Conference* in Playa del Carmen, Mexico, December 11–15, 2017
4. **Cikota, A.** Probing dust along supernovae Ia sight lines using linear spectropolarimetry, at the *The 10th meeting on Cosmic Dust* in Mitaka, Japan, August 14–18, 2017
5. **Cikota, A.**; Patat, F.; Cikota, S.; Faran, T. Performance of the VLT/FORS2 spectropolarimetric mode, at the *ESO Calibration Workshop 2017* in Santiago, Chile, January 16–19, 2017
6. **Cikota, Aleksandar**; Patat, Ferdinando. Spectropolarimetry of stars along anomalous extinction sightlines In: *SWEDIBLES workshop* at Lorentz Center, Leiden, The Netherlands, March 29 – April 1, 2016
7. **Cikota, Aleksandar**; Deustua, S.; Marleau, F. Dust in Type Ia Supernovae Host Galaxies In: *1st IMPRS Symposium* at Max-Planck-Institute for Extraterrestrial Physics, Garching, Germany, March 15–16, 2016
8. **Cikota, Aleksandar**; Deustua, S.; Marleau, F. Absorption-to-reddening ratio of dust in type Ia SNe host galaxies In: *International PhD School "F. Lucchin": Science and Technology with E-ELT* in Erice, Sicily, Italy, October 8–20, 2015

9. **Cikota, Aleksandar**; Deustua, S.; Gordon, K. **Some Results From a Study on the Effect of Host Galaxy Dust Extinction on the Colors of Type Ia Supernovae** In: *217th AAS Meeting* in Seattle, WA, January 9th – 13th, 2011
10. **Cikota, A.**; Ortiz, J.L.; Cikota, S.; Thirouin, A.; Morales, N.; Duffard, R.; Gil-Hutton, R.; Santos-Sanz, P.; de la Cueva, I.; Hestroffer, D. **(90482) Orcus as a Test Case for Astrometric Detection of Binaries** In: *TNO 2010, Dynamical and Physical properties of Trans-Neptunian Objects Meeting* in Philadelphia, PA, June 27th – July 1st, 2010
11. **Cikota, A.**; Deustua, S.; Gordon, K. **Host galaxy extinction of Type Ia supernovae** In: *SNAP calibration workshop* at STScI in Baltimore, MD, July 28th – 30th, 2008
12. **Cikota, Aleksandar**; Jerosimic, Ljuban. **Photometry group of Visnjan School of Astronomy 2005** In: *Meeting on Asteroids and Comets in Europe 2006* in Vienna, Austria, May 12th – 14th, 2006

SEMINARS/COLLOQUIUM TALKS

1. **Cikota, Aleksandar. Spectropolarimetry of Type Ia Supernovae**, *Astronomy Seminar* at the New York University Abu Dhabi, United Arab Emirates, February 21, 2018
2. **Cikota, Aleksandar. Spectropolarimetry of Type Ia Supernovae**, *Colloquium* at University of New South Wales, Canberra, Australia, February 19, 2018
3. **Cikota, Aleksandar. Spectropolarimetry of Type Ia Supernovae**, *Astronomy Seminar* at Mitchell Institute, Texas A&M University, College Station, TX, USA, October 9, 2017
4. **Cikota, Aleksandar. Spectropolarimetry of Galactic stars along anomalous extinction sightlines**, *Science talk* at ESO Vitacura, Santiago, Chile, January 9, 2017
5. **Cikota, Aleksandar. Spectropolarimetry of Galactic stars along anomalous extinction sightlines** In: *Discussion meeting* at Armagh Observatory, UK, November 16, 2017
6. **Cikota, Aleksandar**; Deustua, S.; Marleau, F. **A New Approach to Investigate the R_V of Dust in Type Ia SNe Host Galaxies** In: *Colloquium*, AURA Lecture Hall, La Serena, Chile, February 2, 2016
7. **Cikota, Aleksandar**; Deustua, S.; Marleau, F. **Type Ia SNe color excess probabilities and a statistical approach to estimating host galaxies dust R_V ratio** In: *Galaxy Journal Club* at STScI in Baltimore, MD, June 26, 2015

CONFERENCE POSTERS

1. **Cikota, A.**; Patat, F. **A possible link between proto-planetary nebulae and Type Ia Supernovae progenitors revealed by polarimetry** at the *Shocking Supernovae: surrounding interactions and unusual events*, Stockholm, Sweden, May 28 – June 1, 2018
2. **Cikota, A. Investigating Progenitors of Type Ia Supernovae using Spectropolarimetry** In: *660. Wilhelm und Else Heraeus-Seminar: Supernovae – From Simulations to Observations and Nucleosynthetic Fingerprints* in Bad Honnef, Germany, January 21 – 24, 2018
3. **Cikota, A.**; Deustua, S.; Marleau, F. **Total-to-selective Extinction Ratio (R_V) of Dust in Type Ia Supernova Host Galaxies** In: *The Ninth Harvard-Smithsonian Conference on Theoretical Astrophysics: The Transient Sky* in Cambridge, MA, May 16 – 19, 2016
4. **Cikota, A.**; Bektsevich, D.; Cikota, S.; Weaver, B.; Jevremovic, D.; Vinkovic, D. **Meteor trails detection in the Sloan Digital Sky Survey fields** In: *Brijuni Conference 2014* in Brijuni islands, Croatia, August 25th – 30th, 2014
5. **Cikota, A.**; Bektsevich, D.; Cikota, S.; Weaver, B.; Jevremovic, D.; Vinkovic, D. **Meteor trails observed by the Sloan Digital Sky Survey** In: *Asteroids Comets Meteor 2014 Meeting* in Helsinki, Finland, June 30th – July 4th, 2014
6. Cikota, S.; Ortiz, J. L.; **Cikota, A.**; Morales, N.; Tancredi, G. **A search for active Main Belt asteroids** In: *Asteroids Comets Meteor 2014 Meeting* in Helsinki, Finland, June 30th – July 4th, 2014
7. **Cikota, A.**; Deustua, S.; Gordon, K. **A study of the effect of SINGS galaxy extinction on the colors of type Ia supernovae** In: *213th American Astronomical Society Meeting* in Long Beach, CA, January 4th – 8th, 2009

LANGUAGE SKILLS

English	Fluent
German	Fluent
Croatian	Native

LAST UPDATE

September 29, 2018