

## CURRICULUM VITAE

# Dr. Irina Smirnova-Pinchukova

Short-term PostDoc @ MPIA

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### EDUCATION

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**07/2017 - 07/2022**    **PhD**, Max Planck Institute for Astronomy, Heidelberg, Germany

- Fellow of International Max Planck Research School
- Student at the Ruprecht-Karls-Universität Heidelberg
- Supervisors: Dr. Bernd Husemann; Prof. Dr. Ralf Klessen
- A member of the Close AGN Reference Survey (CARS) team, [cars-survey.org](http://cars-survey.org)
- Project Title: *Comparison of Different Star Formation Tracers in Nearby AGN Host Galaxies*
- Dr. rer. nat. title with *Magna cum laude* thesis defense grade

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**09/2015 – 07/2017**    **Master Degree**, Lomonosov Moscow State University, Moscow, Russia

- Faculty of Physics, Master's program "Fundamental Astronomy and Astrophysics"
- Supervisors: Prof. Dr. A.V. Zasov; Dr. Ivan Katkov
- Summer traineeship at Special Astrophysical Observatory, Russia, 07/2016
- Internship at AIP, Potsdam, Germany, 03/2017
- Master's Thesis: *Kinematics of Disk Galaxies Containing Central Black Holes with Known Masses*
- Final grade: Diploma with Honours

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**09/2011 - 07/2015**    **Bachelor Degree**, Lomonosov Moscow State University, Moscow, Russia

- Faculty of Physics, Nuclear Department
- Supervisors: Dr. M.G. Kozin, Dr. I.L. Romashkina
- Bachelor's Thesis: *Observation of Mößbauer Effect by Superconducting Tunnel Junction Detector*
- Diploma of the winner of the Universiade "Lomonosov" on Theoretical and Applied Physics
- Final grade: Diploma with Honours

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**09/2005 – 07/2011**    **High School**, secondary general educational school № 65, Ryazan, Russia

- Excellent certificate and silver medal for outstanding achievements in studies
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## CONFERENCES/WORKSHOPS

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| <b>2022</b> | <b>SOFIA Summer Series: Synergies Withing the Infrared Archive</b> , <a href="#">online</a><br>Talk: <i>SOFIA synergies with the CARS multi-wavelength data</i>   |
| <b>2019</b> | <b>SOFIA Tele-Talk</b> , <a href="#">online</a><br>Talk: <i>FIFI-LS Result: [CII] Line Excess in an AGN Host Galaxy</i>   |
| <b>2019</b> | <b>Young Astronomers on Galactic Nuclei</b> , Tenerife, Spain<br>Talk: <i>Discovering a [CII] line excess in a multi-phase AGN- driven outflow (focus on the new methods)</i>   |
| <b>2019</b> | <b>Mission to the Universe</b> , Stuttgart, Germany<br>Talk: <i>Discovering a [CII] line excess in a multi-phase AGN- driven outflow (focus on the data reduction)</i>  |
| <b>2019</b> | <b>Views on the ISM in Galaxies in the ALMA Era</b> , Bologna, Italy<br>Talk: <i>Discovering a [CII] line excess in a multi-phase AGN- driven outflow (focus on the meaning for the high-redshift studies)</i>        |
| <b>2019</b> | <b>EWASS-2019</b> , Lyon, France<br>Poster: <i>Discovering [CII] line excess in a multi-phase AGN-driven outflow</i>  |
| <b>2018</b> | <b>PhD Summer School: SMBH and their Host Galaxies</b> , Asiago, Italy<br>Talk: <i>The impact of AGN on star formation in luminous local AGN</i>  |
| <b>2018</b> | <b>KIAA Forum on Gas in Galaxies</b> , Beijing, China<br>Poster: <i>[CII] line excess in AGN host galaxies</i>  |
| <b>2018</b> | <b>SOFIA Workshop</b> , Stuttgart, Germany  |
| <b>2018</b> | <b>Interstellar Medium in the Nearby Universe</b> , Bamberg, Germany<br>Talk: <i>Identifying the AGN contribution to the [CII] ionization in luminous local AGN</i>   |
| <b>2016</b> | <b>Science and Progress - 2016</b> , Peterhof, Russia<br>Poster: <i>Spectra Analysis of Galaxies with Known Supermassive Black Hole Masses</i>  |
| <b>2014</b> | <b>XV Interuniversity School for Young Specialists Concentrated energy flows in space technology, electronics, ecology, and medicine</b> , Moscow, Russia<br>Talk: <i>STJ detectors with a beta-tantalum sublayer</i> |

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## OBSERVING EXPERIENCE

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| <b>12/2018</b> | <b>Calar Alto</b> , Spain<br>IFU observations with PMAS  |
| <b>10/2017</b> | <b>La Silla Observatory</b> , Chile<br>Broad band imaging with WFI   |
| <b>07/2017</b> | <b>SOFIA observations</b> , Christchurch, New Zealand<br>[CII] 158 $\mu\text{m}$ line mapping with FIFI-LS |

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## PUBLICATIONS

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| <b>2022</b> | <b>Winkel et al.</b> , A&A, accepted<br><i>The Close AGN Reference Survey (CARS): Tracing the circumnuclear star formation in the super-Eddington NLS1 Mrk 1044</i>   |
| <b>2022</b> | <b>Smirnova-Pinchukova et al.</b> , A&A, 659, A125<br><i>The Close AGN Reference Survey (CARS). No obvious signature of AGN feedback on star formation, but subtle trends</i>                                     |
| <b>2022</b> | <b>Husemann et al.</b> , A&A, 659, A124<br><i>The Close AGN Reference Survey (CARS). IFU survey data and the BH mass dependence of long-term AGN variability</i>  |
| <b>2022</b> | <b>Singha et al.</b> , A&A, 659, A123<br><i>The Close AGN Reference Survey (CARS). Locating the [O III] wing component in luminous local Type 1 AGN</i>   |
| <b>2020</b> | <b>Puschnig et al.</b> , A&A, 644, A10<br><i>The Lyman Alpha Reference Sample. XI. Efficient turbulence-driven Ly<math>\alpha</math> escape and an analysis of IR, CO, and [C II]158 <math>\mu\text{m}</math></i> |
| <b>2020</b> | <b>Marian et al.</b> , ApJ, 904, 79<br><i>A Significant Excess in Major Merger Rate for AGNs with the Highest Eddington Ratios at <math>z &lt; 0.2</math></i>   |
| <b>2019</b> | <b>Husemann et al.</b> , A&A, 627, A53<br><i>The Close AGN Reference Survey (CARS). A massive multi-phase outflow impacting the edge-on galaxy HE 1353-1917</i>   |

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| <b>2019</b> | <b>Neumann et al.</b> , A&A, 627, A26<br><i>The Close AGN Reference Survey (CARS). A comparative analysis of the structural properties of star-forming and non-star-forming galaxy bars</i> |
| <b>2019</b> | <b>Smirnova-Pinchukova et al.</b> , A&A Letter, 626, L3<br><i>The Close AGN Reference Survey (CARS). Discovery of a global [CII] 158 <math>\mu</math>m line excess in AGN HE 1353-1917</i>  |
| <b>2018</b> | <b>Busch et al.</b> , ApJ, 866, L9<br><i>The Close AGN Reference Survey (CARS): SOFIA Detects Spatially Resolved [C II] Emission in the Luminous AGN HE 0433-1028</i>                       |
| <b>2018</b> | <b>Powell et al.</b> , A&A, 618, A27<br><i>The Close AGN Reference Survey (CARS). No evidence of galaxy-scale hot outflows in two nearby AGN</i>  |
| <b>2015</b> | <b>Kozin et al.</b> , Bulletin of the Russian Academy of Sciences, Physics, 79, 1062<br><i>Registration of Mossbauer Conversion Electrons by an STJ Detector</i>                            |