



Curriculum vitae

Personal Information

FIRST NAME / SURNAME Vadym Voitsekhovskiy
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ORCID <https://orcid.org/0000-0002-3906-4840>
INSPIREHEP <https://inspirehep.net/authors/1873089>
PHD THESIS Acceleration and propagation of ultra high energy cosmic rays in the Local Universe

Work Experience

DATES February 2025 - present
POSITION Postdoctoral Researcher
RESPONSIBILITIES Developer of Camera Software for SST CTAO
EMPLOYER University of Amsterdam, Amsterdam, Netherlands

DATES May 2023 - January 2025
POSITION Postdoctoral Researcher
RESPONSIBILITIES Developer of Calibration Pipeline for CTAO, Data analysis of LST observations, Simulations
EMPLOYER University of Geneva, Geneva, Switzerland

Education

DATES October 2018 - April 2023
QUALIFICATION PhD in Physics and Astronomy
INSTITUTION Kyiv National University, Kyiv, Ukraine

DATES April 2022 - April 2023
QUALIFICATION Visiting PhD Student
INSTITUTION University of Tübingen, Tübingen, Germany

DATES September 2016 - June 2018
QUALIFICATION Master of Applied Optics and Magnetism
INSTITUTION Kyiv National University, Kyiv, Ukraine



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Fellowships and Grants

PROJECT NAME	Astronomy and space physics (N°19BF023-01)
PERIOD	2019-2021
PROJECT NAME	Research of sources of x-ray and gamma-ray emission and prospects of their observations in CTA (N°10F)
PERIOD	2020-2021

Skills and Competences

LANGUAGE SPOKEN	English (fluent), German (elementary), French (elementary), Ukrainian (native), Russian (native)
TECHNICAL SKILLS	Python, C++, Bash, Perl, SQL, XSpec, Fermitools, Gammapy, Git, Bash, UML, Corsika, Sim-telarray, GALPROP, ROBAST, CRPropa, High-Performance Computing

List of the last conferences

1. LST General Meeting 2024, Prague, Oral report
2. CTAO Science Symposium 2024, Bologna, Poster
3. LST General Meeting 2023, Online, Oral report
4. CTAO Consortium Meeting 2023, Berlin, Oral report

List of publications

1. B. Hnatyk, R. Hnatyk, V. Zhdanov, **V. Voitsekhovskiy** (2022). Unveiling the nature of the unidentified gamma-ray sources 4FGL J1908.6+0915e, HESS J1907+089/HOTS J1907+091, and 3HWC J1907+085 in the sky region of the magnetar SGR 1900+14. *MNRAS*, V. 514, Issue 1, 762-779 <https://doi.org/10.1093/mnras/stac1304>
2. E. Fedorova, B. Hnatyk, A. Del Popolo, A. Vasylenko, **V. Voitsekhovskiy** (2022). Non-Thermal emission from radio-loud AGN jets: radio vs x-rays. *Galaxies*, 10(1) <https://doi.org/10.3390/galaxies10010006>
3. R R. Hnatyk, **V. Voitsekhovskiy** (2022). Gamma-ray and neutrino radiation from Coma cluster (A1656). *Ukr.J.Phys.*, Vol.67, No.2, 102-109. <https://doi.org/10.15407/ujpe67.2.102>
4. **V. Voitsekhovskiy** (2021). Prospects for gamma-ray observations of Hercules cluster. *Advances in Astronomy and Space Physics*, Volume 11, Issue 1-2, 13-18, [doi:10.17721/2227-1481.11.13-18](https://doi.org/10.17721/2227-1481.11.13-18)
5. R. Hnatyk, **V. Voitsekhovskiy** (2020). Extremely high energy cosmic rays: potential sources. *Kinematics and Physics of Celestial Bodies*, 36(3), 47-68, [doi:10.3103/S0884591320030046](https://doi.org/10.3103/S0884591320030046)
6. **V. Voitsekhovskiy**, B. Hnatyk, Yu. Kudrya (2018). Acceleration and propagation of ultra high energy cosmic rays in local Universe. *Visnyk of Kyiv National University of Taras Shevchenko. Astronomy*, 2018 2, p. 33-36