



Centrum Astronomiczne
im. Mikołaja Kopernika
POLSKIEJ AKADEMII NAUK

WILHELM UND ELSE
HERAEUS-STIFTUNG



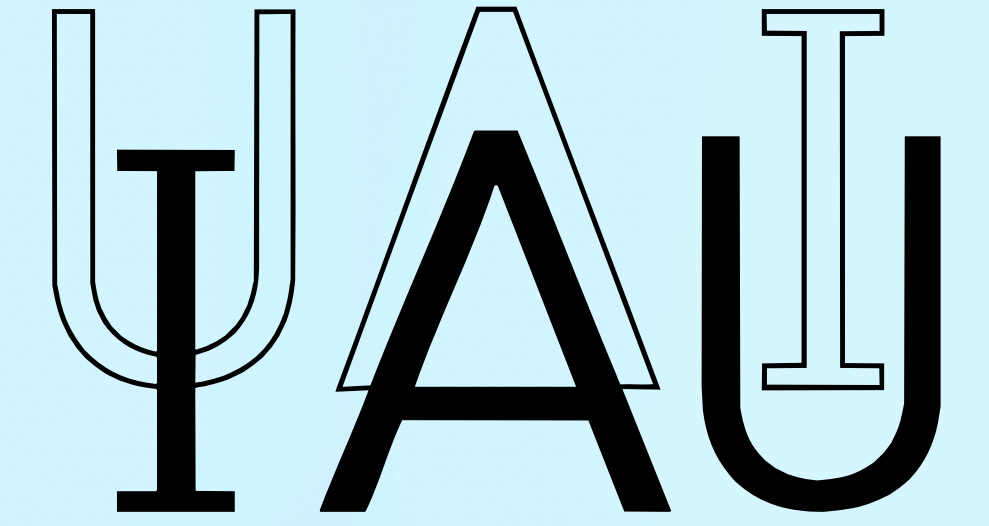
About Warsaw, about CAMK PAN

Black holes at different flavour HERA2026 workshop for ECR

Agata Różańska, 21.09.2026, Warsaw



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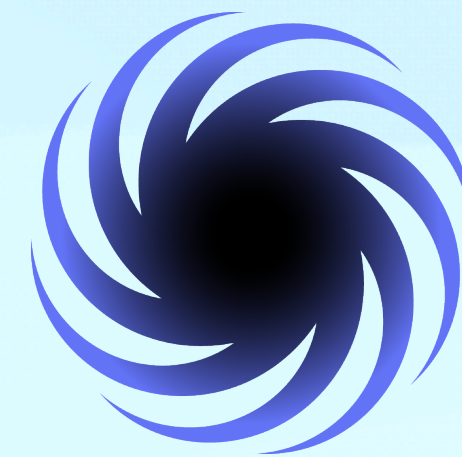
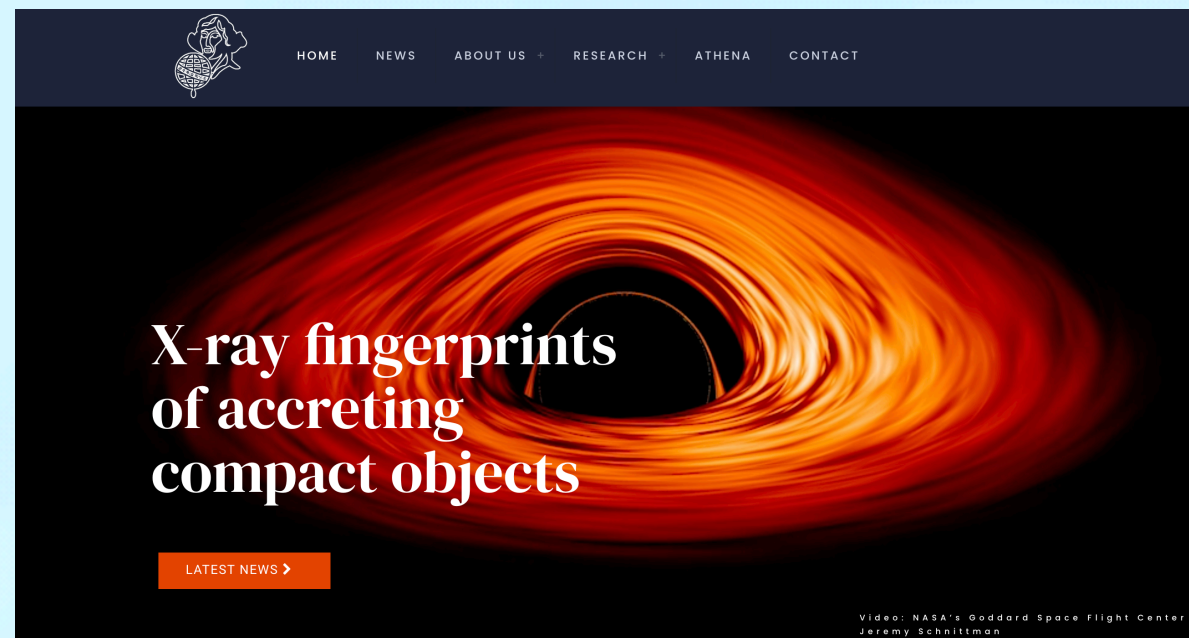
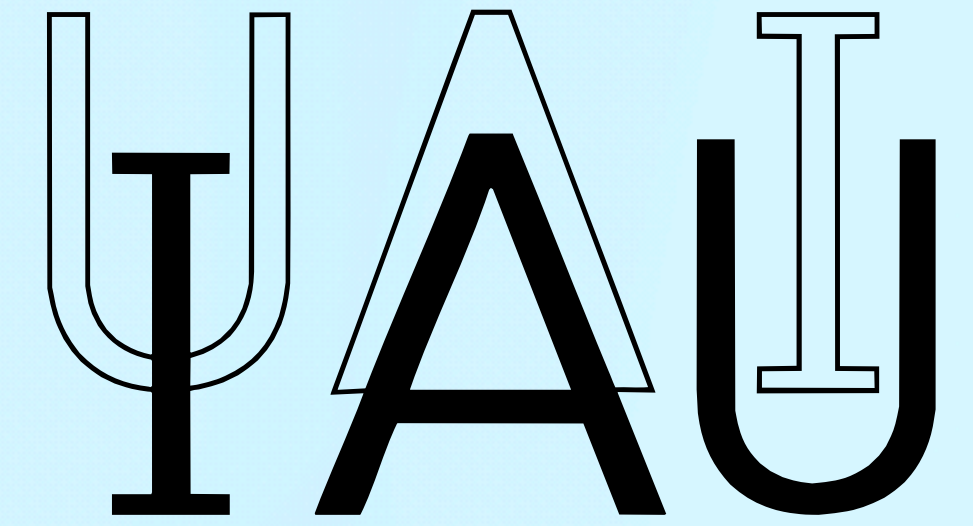
Agata Różańska, CAMK PAN, Warsaw, Poland

Marios Kouzis, Biswaraj Palit, Parikshit Biswas, Debora Lancova, Dominik Gronkiewicz,

Rafał Wojaczyński, Piotr Życki, Alex Markowitz, Zuzanna Bielecka, Jerzy Madej, Agnieszka Majczyna



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TALES
Time-domain Analysis to study the Life-cycle
& Evolution of Supermassive black holes



This project has received funding from the European Union's Horizon research and innovation programme under the Marie Skłodowska-Curie Grant Agreement No 101168906



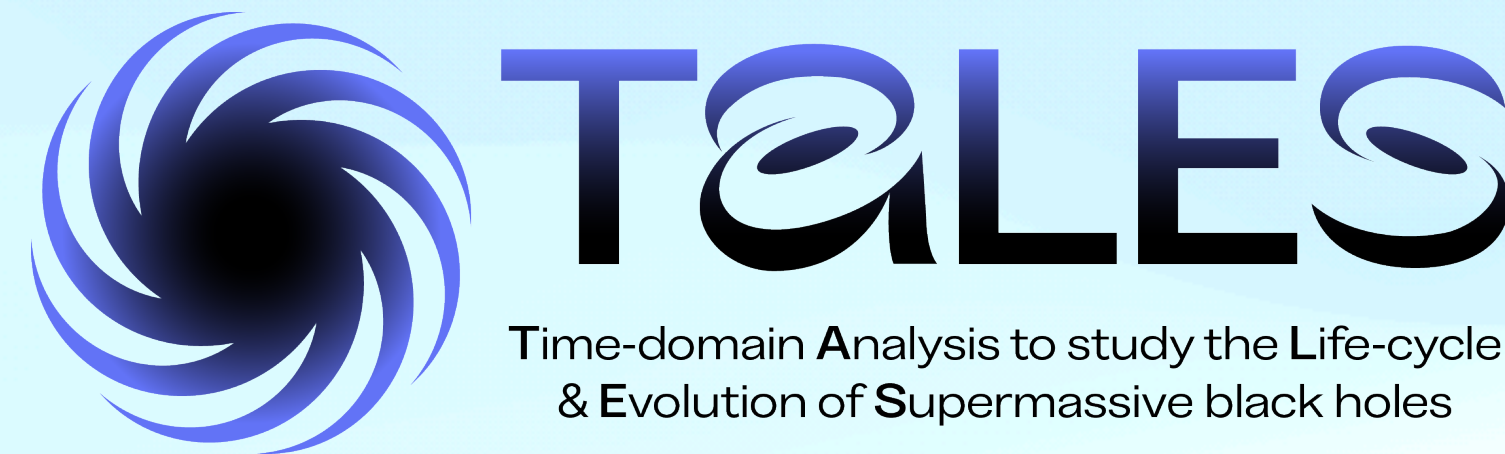
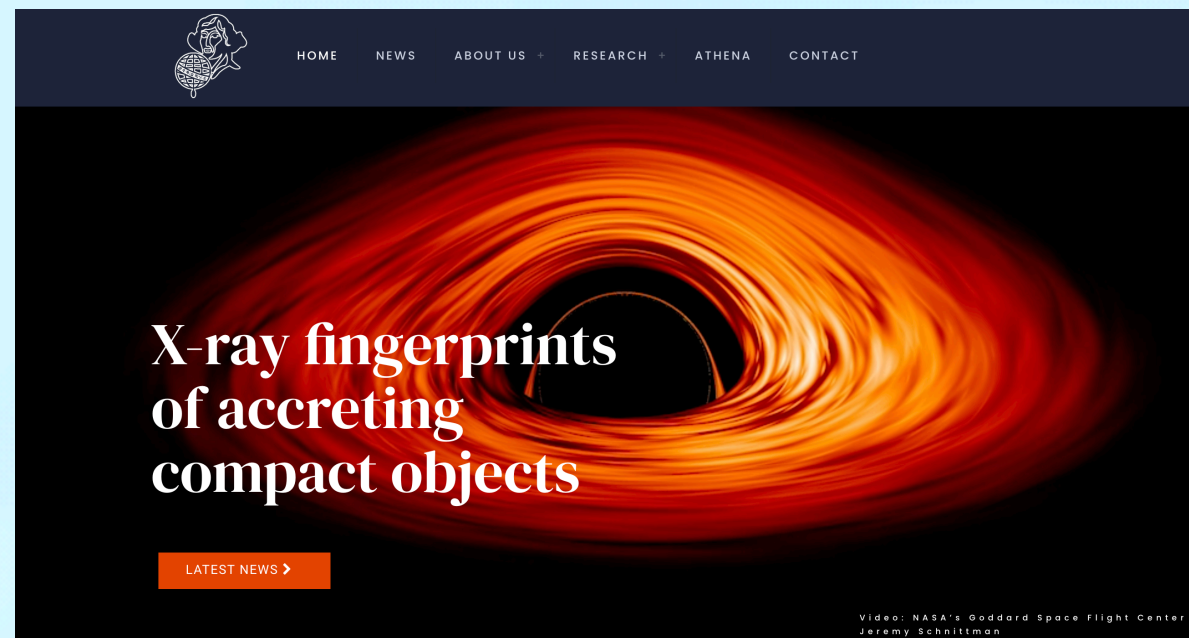
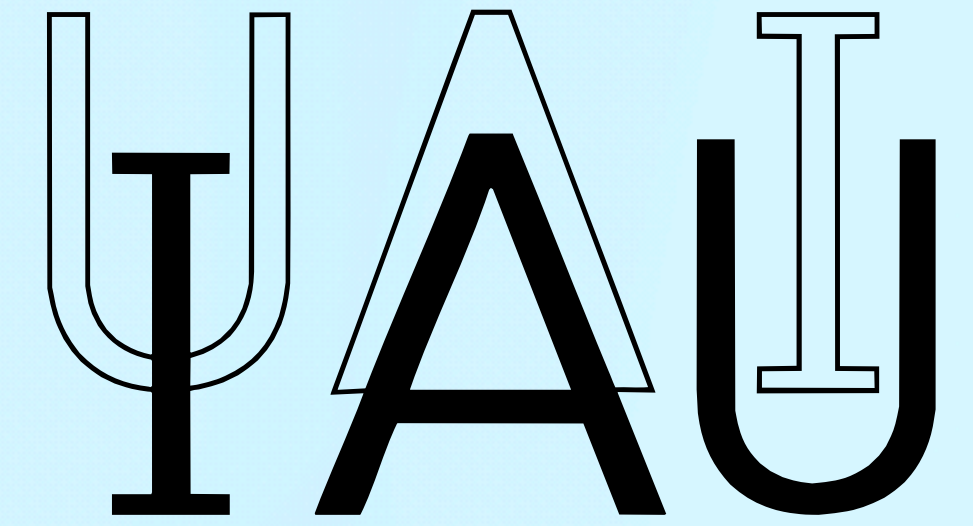
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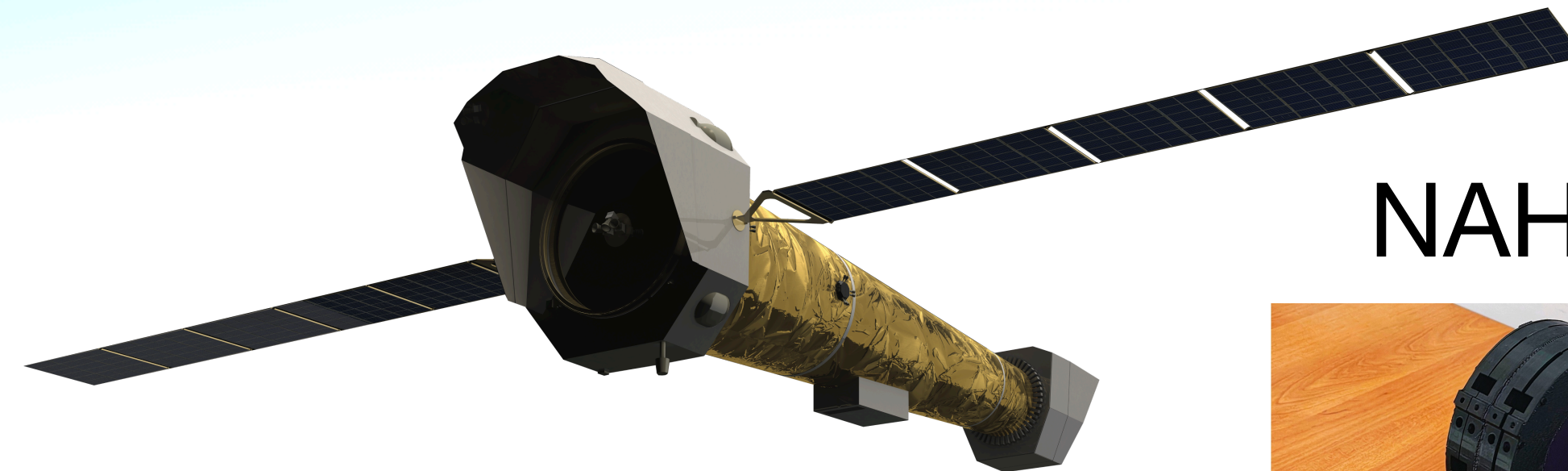
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launch ~2039

NAHEPaM



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About Warsaw - the first written notation at 23 April 1313

I live in the village
Koczargi Stare
28 km from Warsaw.
The first written
notation 1275

Warszawska Starówka po wojnie i obecnie



A History of CAMK PAN

From the post-war proposal to the Poland's leading astrophysics institute



The First Attempt - 1950s

- The Polish Academy of Sciences, established in 1951, began planning a new astronomical center meant to bring together astronomers from across Poland

Staszic Palace, Spring 1945, Put into service 1950



The First Attempt - 1950s

- The Polish Academy of Sciences, established in 1951, began planning a new astronomical center meant to bring together astronomers from across Poland
- **1956 - Department of Astronomy Polish Academy of Sciences**

Staszic Palace, Spring 1945, Put into service 1950



In the early 1970s - two Polish astronomers revived the idea

Bogdan Paczyński



Proposed a theoretical-astrophysics institute at a Polish Academy of Sciences assembly, sidestepping the cost of building a telescope.

and

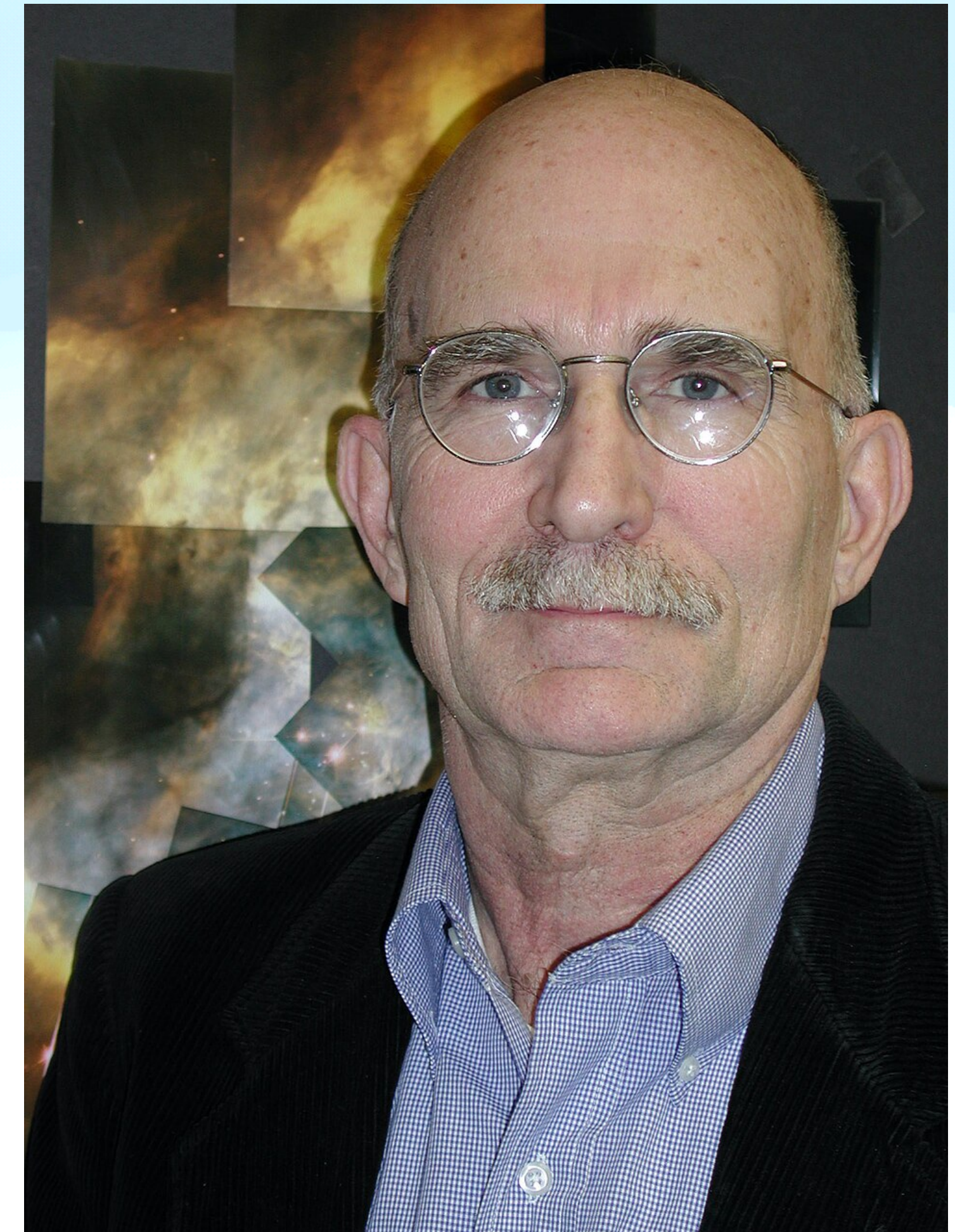
Józef Smak



Co-presented the plan alongside Paczyński, shaping an institute focused on research rather than costly new instruments.

In May 1971 - Charles Robert „Bob” O’Dell from York’s Observatory was sent to Poland. Discussion sharpened the concept of CAMK and opened the door to US financial support.

- **A Cold War financial curiosity made CAMK’s construction possible.**
- **Polish currency could not, at that time, be converted into other currencies - so not be counted in the US federal budget.**
- **~ 351M Polish zloty accumulated by US agricultural (wheat) sales to Poland after World War II.**
- **Using those funds to build CAMK let the US write off part of Poland’s “wheat debt” at no dollar cost to the US government.**

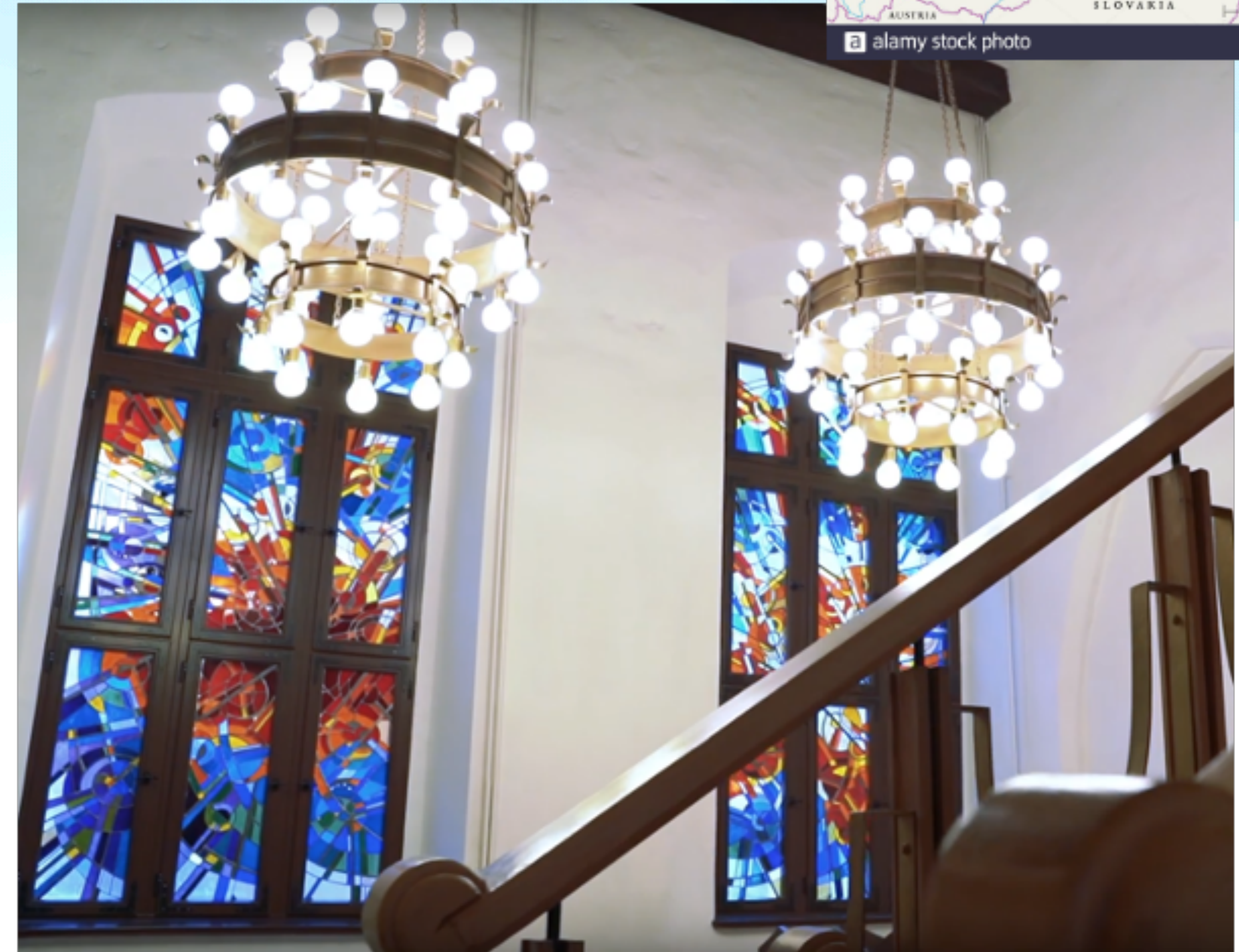


Project scientist of Hubble Telescope

- Beginning of **70-ties** - building started to be constructed. Bartycka street was build to connect institute to the city.
- 10 Oct. 1975 - first mini-computer DEC PDP-11/45 came to CAMK PAN.
- The CAMK PAN was formally established on **11 Feb. 1976**.
- **24 May 1978** - the new headquarters is inaugurated.
- The first PhD title went to Marek Sikora **in 1980**, under the supervision of Bohdan Paczyński.



CAMK - Toruń, Rabiańska 8



<https://www.ncac.torun.pl/>

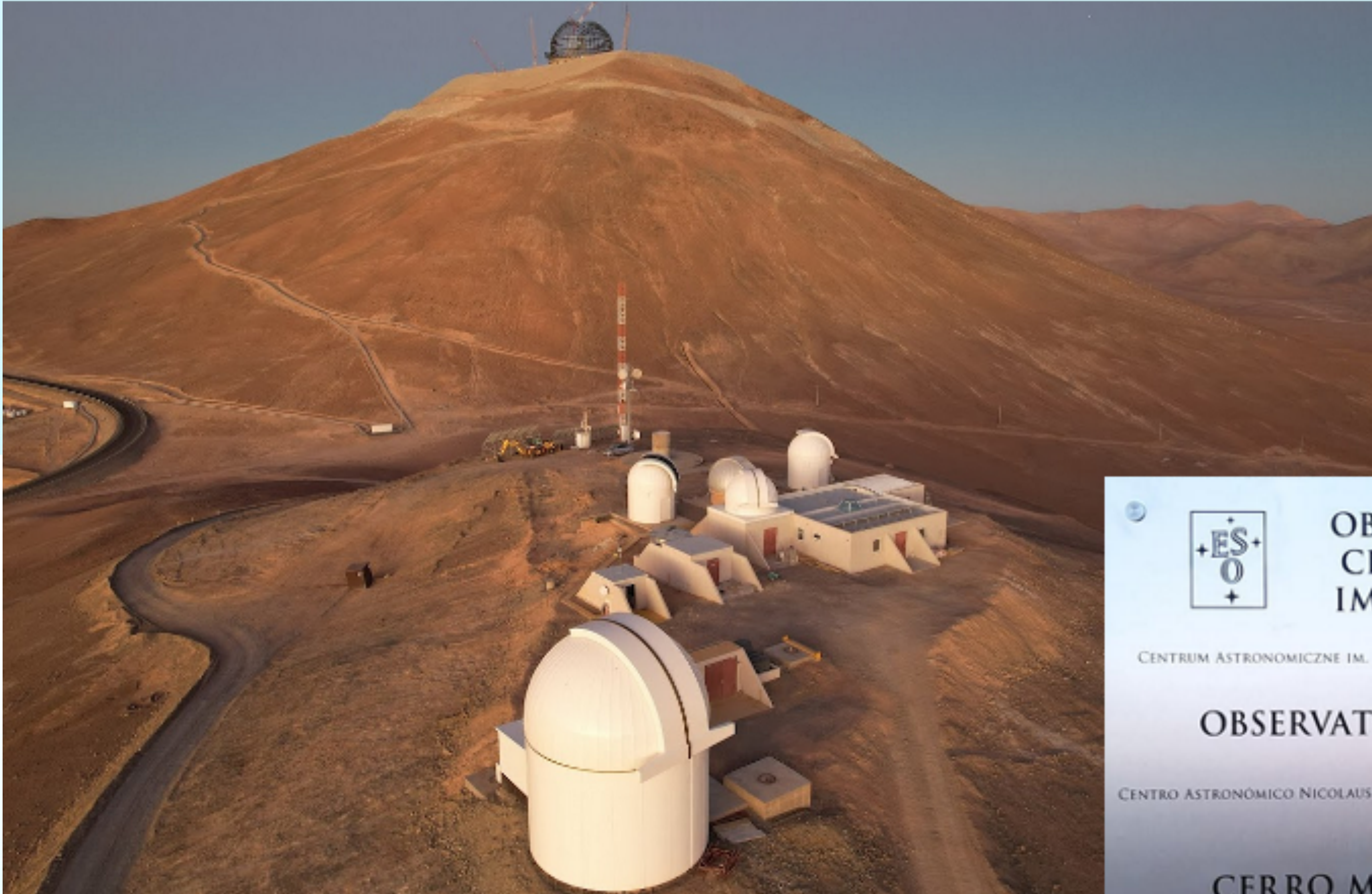
CAMK - AstroCeNT



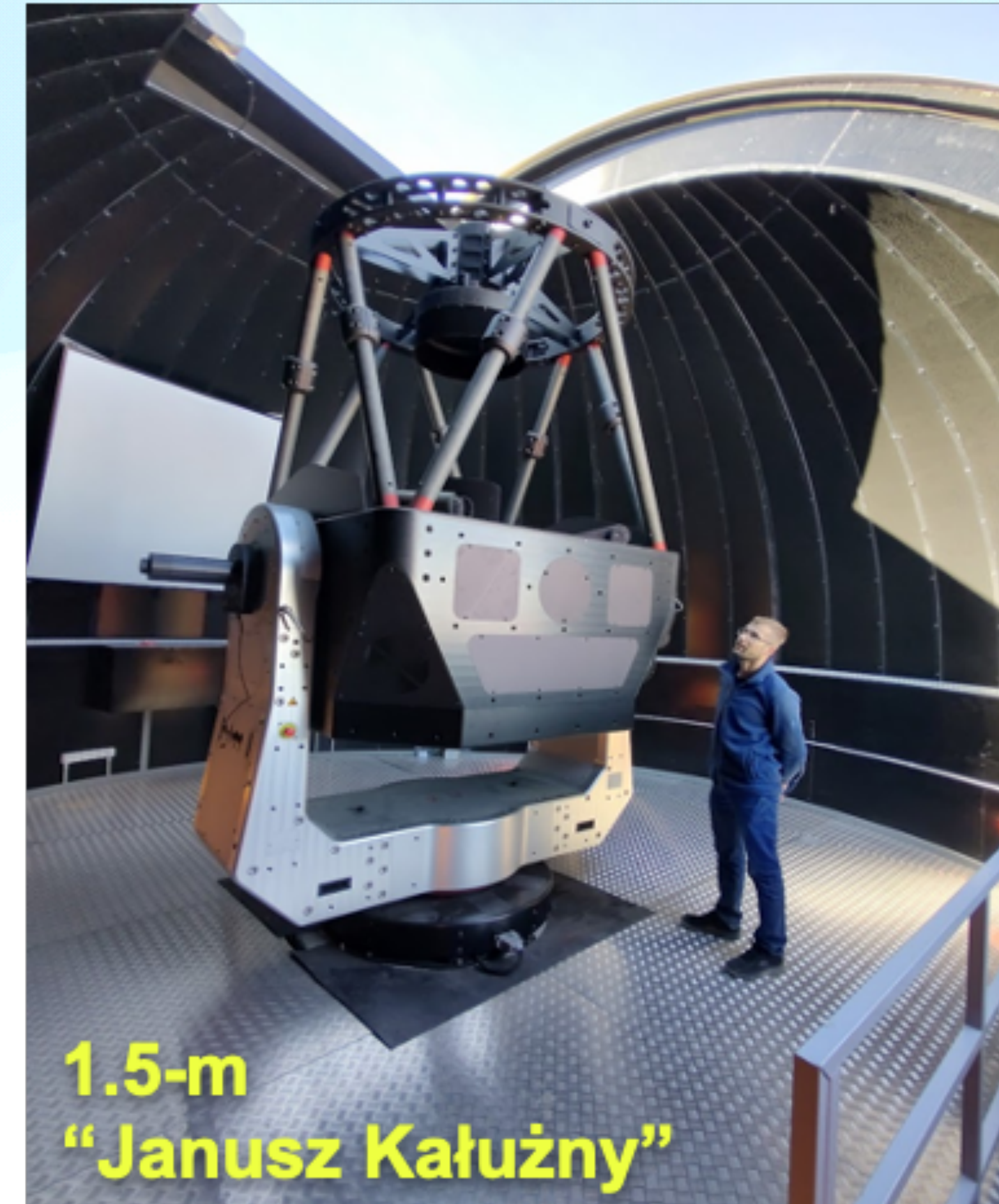
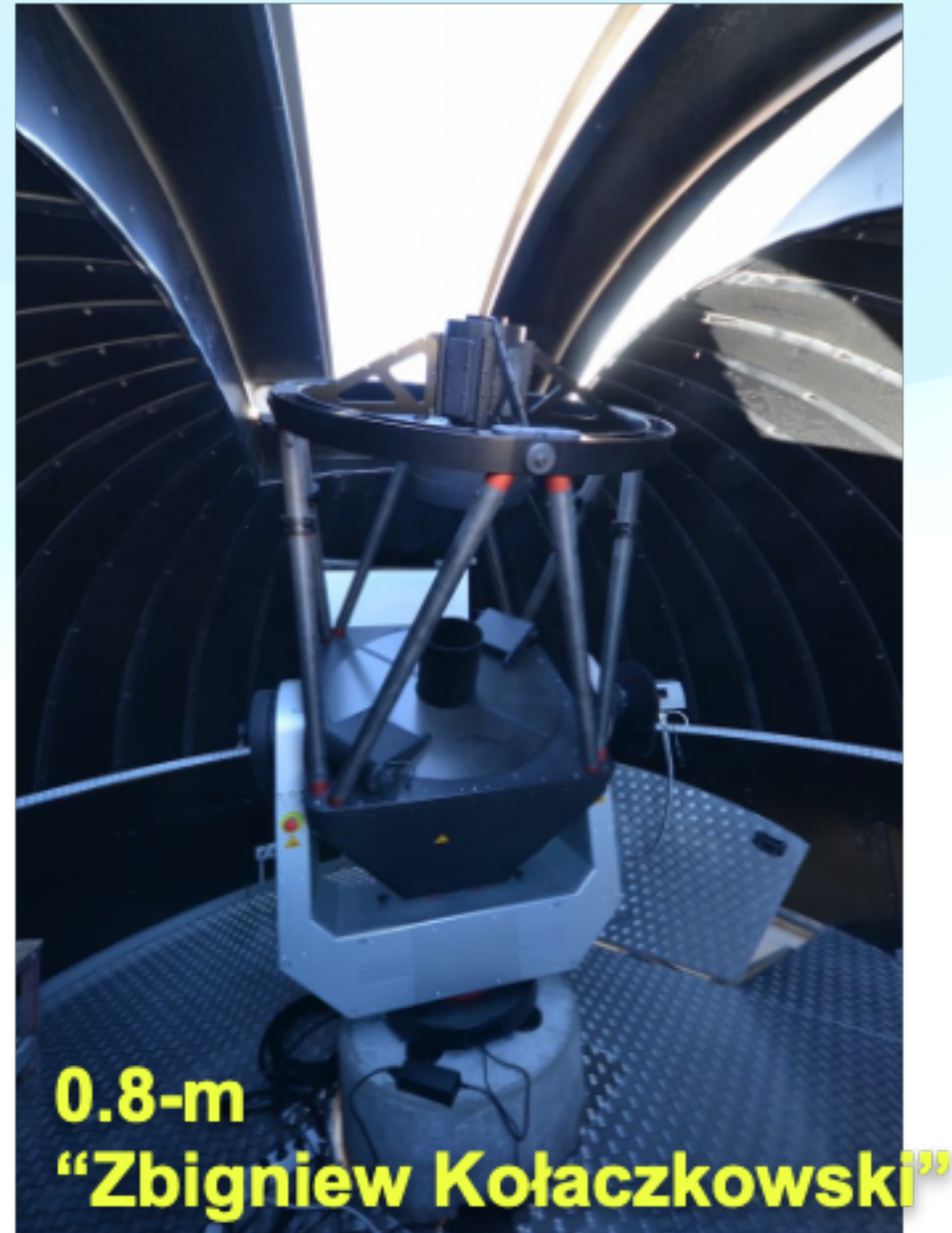
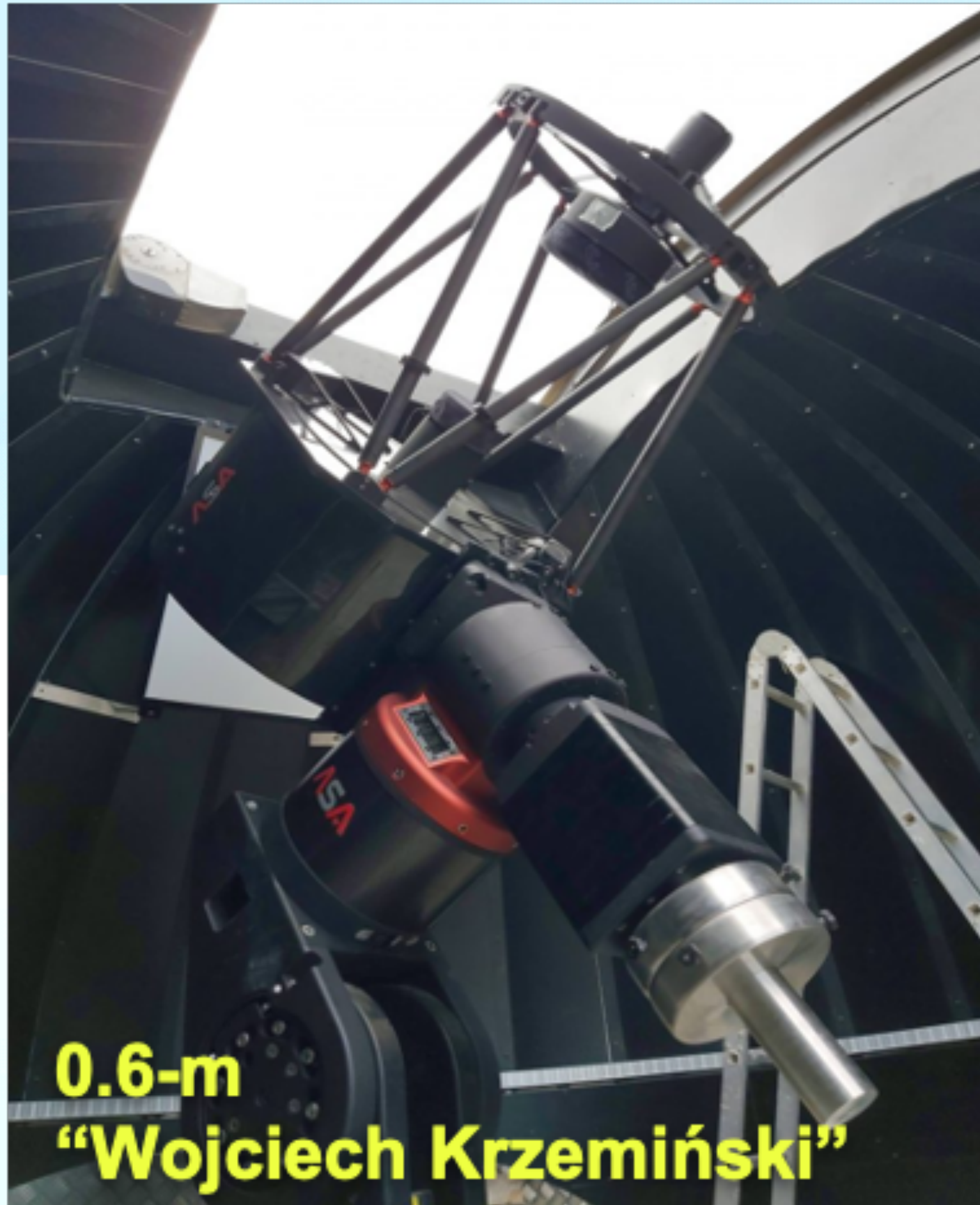
<https://astrocent.camk.edu.pl/>



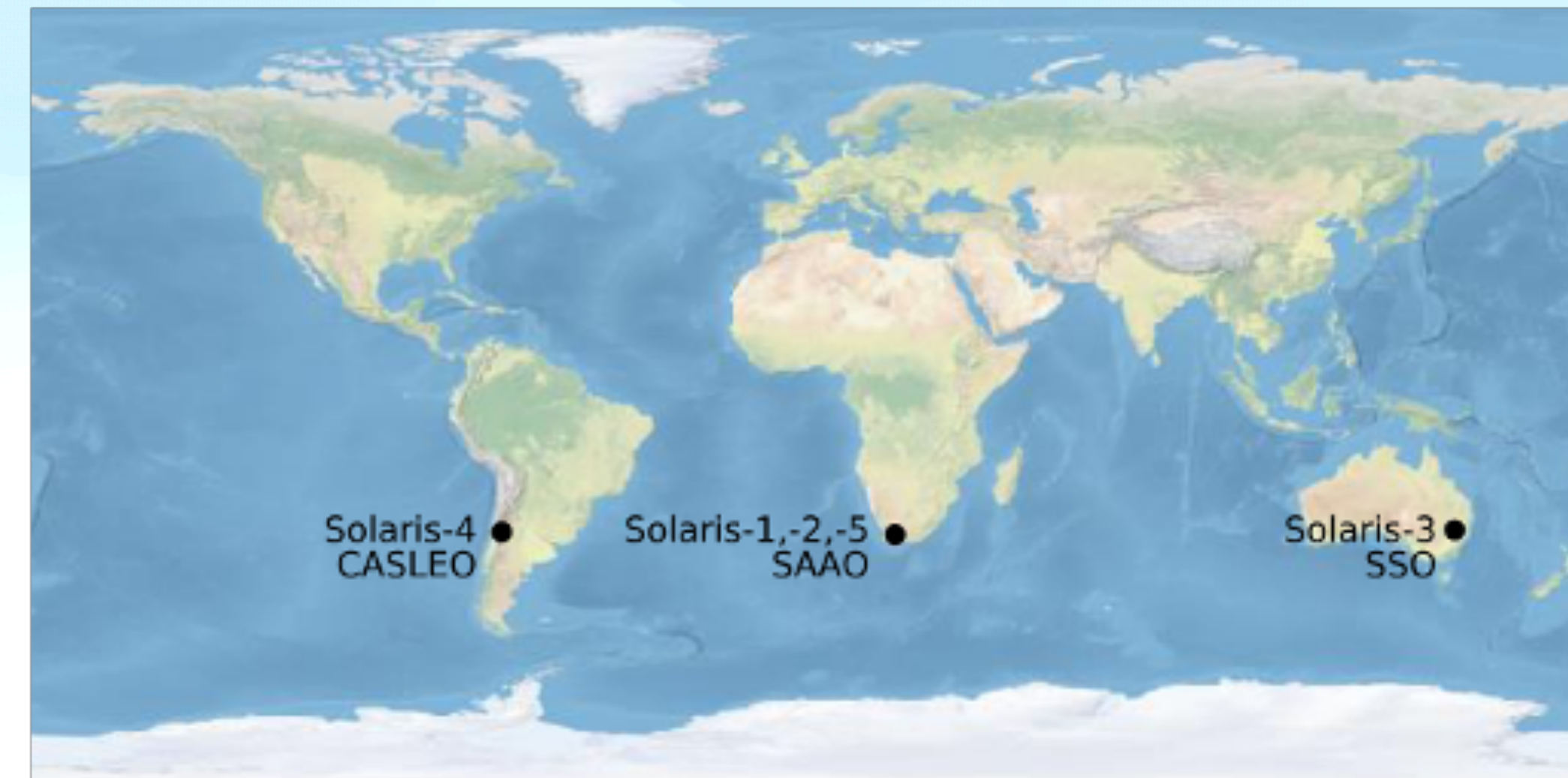
Our facilities: Cerro Murphy Observatory



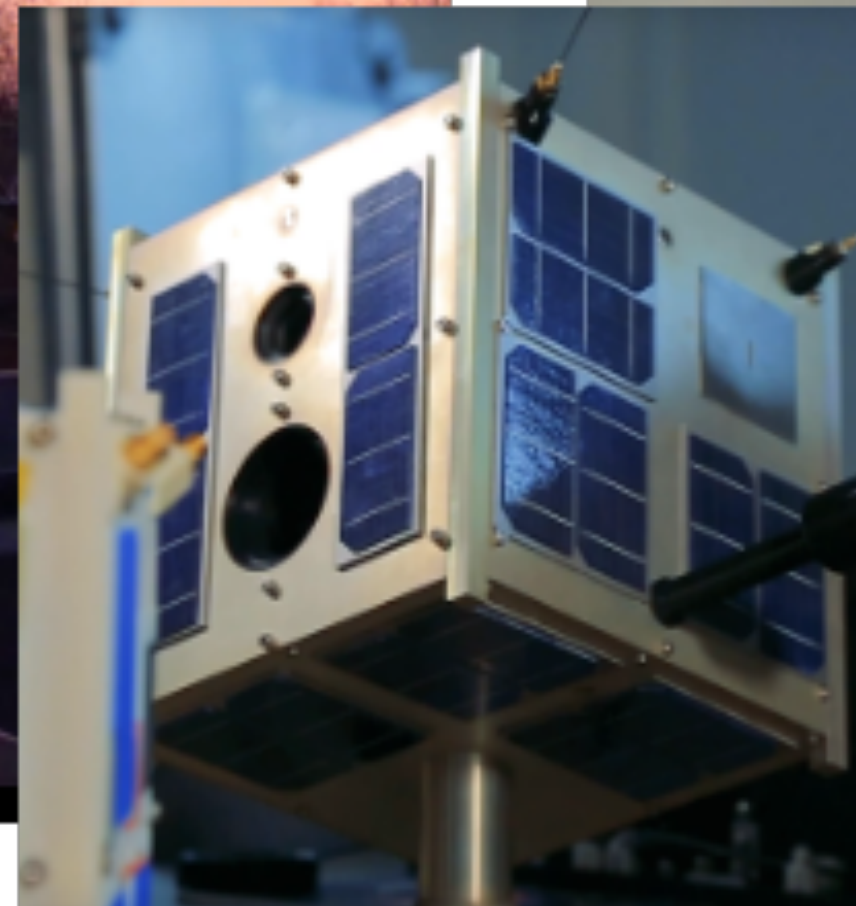
Our facilities: Cerro Murphy Observatory



Our facilities: Solaris Network



Our facilities: BRITE tracking station



Our facilities: telescope on the roof



Our facilities: computer cluster



Facilities we have access to:



OPTICAL ASTRONOMY
Southern African Large Telescope (SALT)
<https://www.salt.ac.za/>



GRAVITATIONAL WAVES
LIGO/Virgo/KAGRA



all ESO facilities



GAMMA-RAY ASTRONOMY
H.E.S.S.

GeoPlanet Doctoral School

- 7 Institutes of the Polish Academy of Sciences
- 1 National Research Institute (joined in 2022)

CAMK PAN is a leading institute of the doctoral school

While we have interdisciplinary component in the program of the studies and common courses, we largely stay on our own (all individual decisions take place within the institute)



**Currently we have 21 PhD students
at CAMK PAN**

GeoPlanet D

- 7 Institutes of the Polish Academy of Sciences
- 1 National Research Institute

CAMK PAN is a leading institute

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GeoPlanet D

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THANK YOU FOR YOUR ATTENTION

