

The 20th anniversary of H.E.S.S.



The 20th anniversary of H.E.S.S.

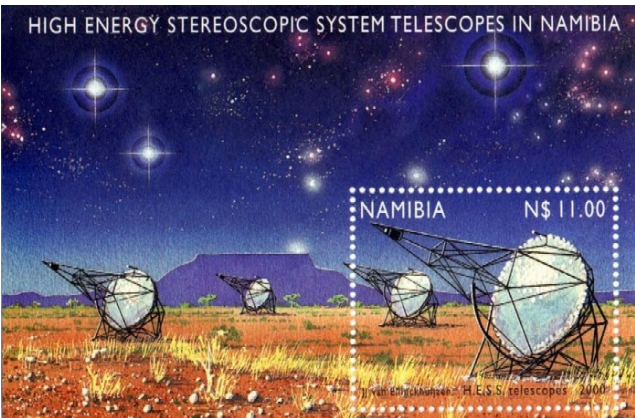
2002: Inauguration of the 1st telescope

2004: Inauguration of the original H.E.S.S. array

2012: Inauguration of the large CT5 telescope

2019: Beginning of the 1st extension of H.E.S.S. operations

2022 October 1: Start of the 2nd extension of H.E.S.S. operations



The 20th anniversary of H.E.S.S.

2002: Inauguration of the 1st telescope

2004: Inauguration of the original H.E.S.S. array

2012: Inauguration of the large CT5 telescope

2019: Beginning of the 1st extension of H.E.S.S. operations

2022 October 1: Start of the 2nd extension of H.E.S.S. operations

Over the years H.E.S.S. added a major new telescope, upgraded all its cameras, and improved its efficiency, its analyses and its scientific returns. There are many good reasons to celebrate.

The 20th anniversary of H.E.S.S.

October 16: Open day for scientists on the H.E.S.S. site

October 17: Anniversary symposium at Heja lodge

October 18: Anniversary celebration on the H.E.S.S. site

October 19-22: H.E.S.S. collaboration meeting at Heja lodge

October 23: Open Day for the Namibian public on the H.E.S.S. site

Today's programme:

10:00 - 17:00 Scientific symposium

17:00 - Reception

10:00	Veikko Uahengo	Welcome
10:10	Stefan Wagner	The HESS anniversary symposium
10:20	Werner Hofmann	Science with IACTs
10:50	Michael Backes	The Africa Millimeter Telescope
11:10		coffee
11:35	Emmanuel Moulin	Gamma-rays from Dark Matter: Status and future prospects
12:05	Andreas Quirrenbach	Principles of optical interferometry
12:35		lunch
14:00	Andreas Quirrenbach	Astrophysics with optical Interferometers
14:25	Patrick Woudt	Radio Transients with MeerKAT and MeerLICHT
14:50	Eli Kasai	SALT spectroscopy of gamma-ray Blazars
15:10	Markus Böttcher	The physics of AGN Jets
15:40		coffee
16:05	Jacek Niemic	Kinetic modeling of collisionless shocks
16:30	Miroslav Filipovich	ORC's and other new wonders of radio surveys
17:00		reception

Anniversary symposium

We will discuss the most recent activities and results from H.E.S.S. throughout the week. We anticipate interesting new discoveries.

The VHE gamma-ray landscape is **very** different in 2022 when compared to 2002 or even 2012. The last few years saw much progress: The first GRB detected in the VHE domain, this first Galactic transient, resolved images of Jets and PeVatron accelerators, breakthrough in DM searches, etc.

The world of astrophysics in general makes enormous progress (MeerKAT, ALMA, JWST, methods, ..., → Nobel prizes)

Anniversary symposium

In this symposium we wish to look beyond the field of VHE gamma-ray astronomy and discuss topics which are different from but related to many questions addressed in VHE studies.

It includes astrophysical observations and results obtained in other waveband regimes on the sources studied by H.E.S.S., new instrumental developments related to our field and our array; we also want to touch upon theoretical concepts relevant for deeper understanding of sources and processes.



Sabine Hocquien
PHOTOGRAPHY