



DAWN News April 2019

Dear DAWN family!

Welcome to the first edition of DAWN News – in the future, DAWN newsletters will be sent out at least once a month. We hope you will enjoy it, and we highly appreciate feedback and content suggestions – just send an e-mail to nannajensen@nbi.ku.dk.

In this first edition of DAWN News you can read the following content:

- ALMA Proposals
- DAWN Summit 2019
- First Ever Image of a Black Hole Revealed
- Employee News
 - Carlos Gómez-Guijarro Ph.D. Thesis Defense
 - New Hires: Nanna and Ivanna
 - Jonatan Had a Baby!

Happy reading!

ALMA Proposals

The submission deadline for ALMA proposals was on 17 April. At DAWN, we had several people submitting proposals, and we are excited to see how everyone did in the end of July.

Good work everybody!

Dawn Summit 2019

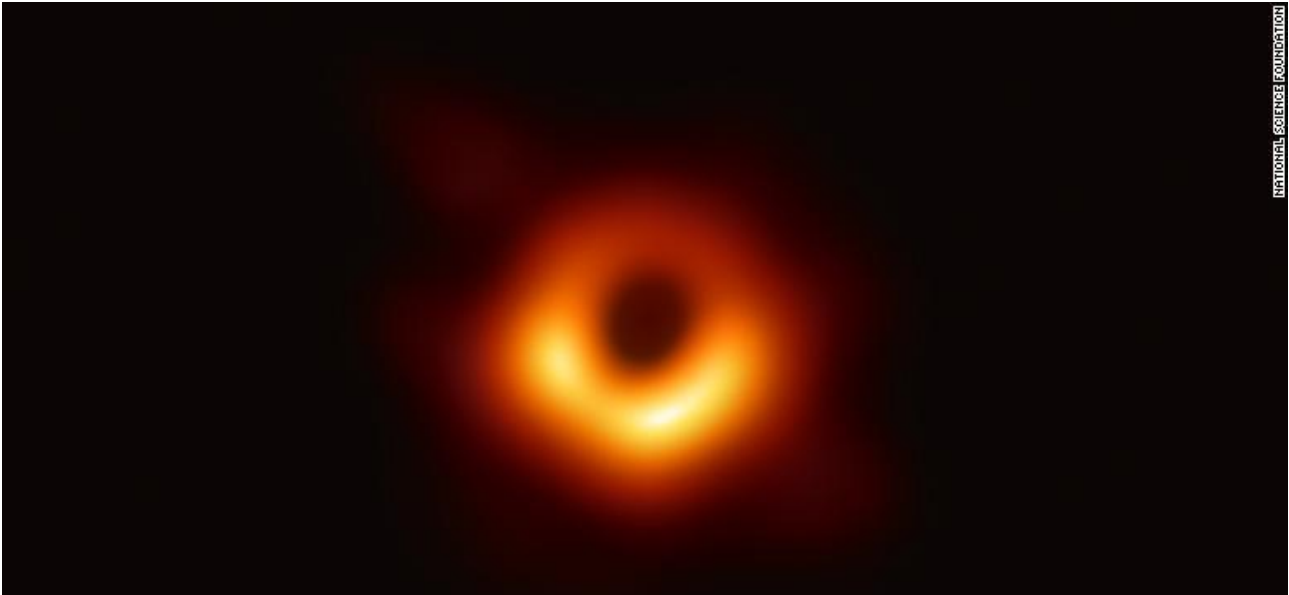
We are happy to announce that the dates for this year's DAWN Summit in Denmark are 08 July – 12 July. We are currently working on a program, which we will present in the May newsletter.

In the meantime, we are looking forward to hosting all of you!

DAWN

COSMIC DAWN CENTER

First Ever Image of a Black Hole Revealed



The first ever image of a Black Hole was revealed on 10 April, and we followed the live streaming at a press conference held by Thomas Greve and his team at DTU Space in Lyngby.

Using the global network of telescopes that make up the Event Horizon Telescope (EHT), astronomers were able to capture the first-ever picture of a black hole, back in April 2017. They captured an image of the black hole (BH) at the center of galaxy M87. This image is the first direct visual evidence that black holes exist.

Researchers world-wide have worked for more than a decade to capture this image

More than 200 researchers and 40 nations were involved in the project, and they have worked for more than a decade to capture this. While we at DAWN have not been involved in capturing the first Black Hole image, going forward, we will be involved with the Greenland Telescope, which will enable the future pictures of the Event Horizon Telescopes to become even more powerful, when it is added to the network.

The Greenland Telescope

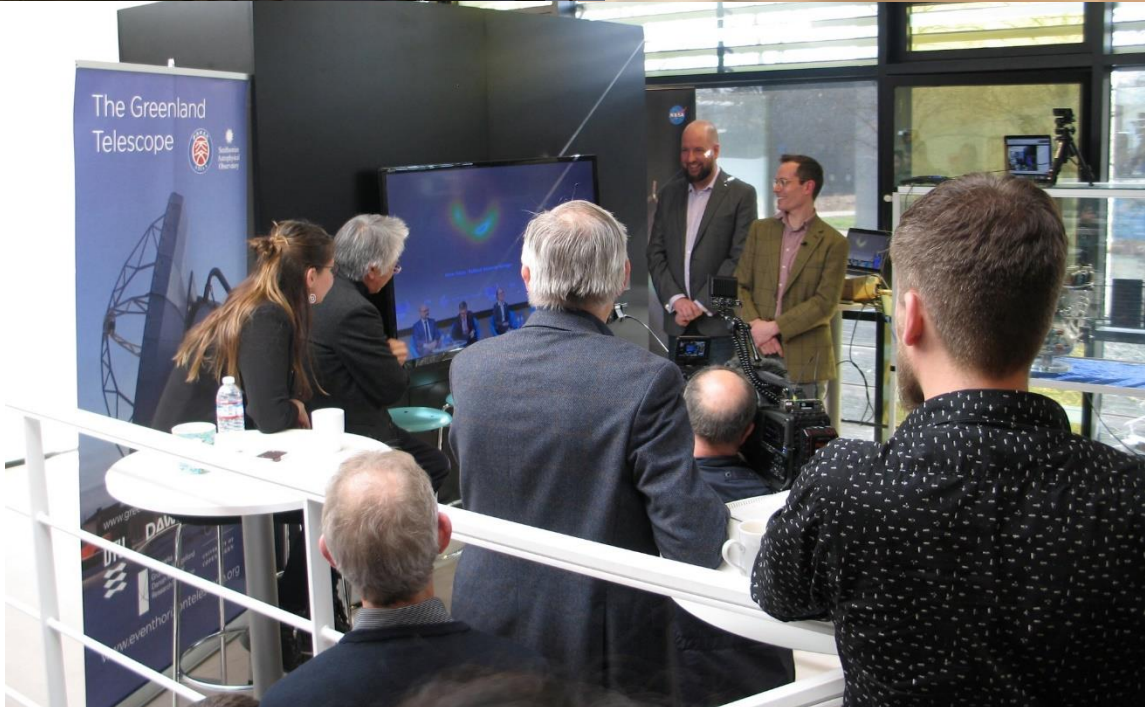
The Greenland Telescope currently sits at sea level in Greenland at Thule Air Base, but is planned to be hauled onto the top of the ice sheet at 3200 meters altitude, where the observing conditions for radio astronomy are among the best on the planet due to the extremely dry atmosphere. The Greenland Telescope is a project made by institutes in Taiwan and the US, and Denmark and Greenland are working on becoming more involved – including our people at DAWN, DTU.

We are both excited and proud of our upcoming involvement in the EHT, and cannot wait to see what the future holds.

DAWN

COSMIC DAWN CENTER

Selected pictures from the press conference at DTU Space





Employee News: Carlos Gómez-Guijarro Ph.d. Thesis Defense

On 9 May, 2019 at 13:00 – 15:00, Carlos will have his Ph.D. thesis defense at Auditorium A in the Niels Bohr Institute Building on Blegdamsvej 17.

Carlos is the first DAWN Ph.D. student to defend his thesis – we are so proud!

Read more about Carlos' thesis below.

Connecting the Extremes - High-redshift Progenitors of Massive Galaxies



Abstract: The ultimate goal in galaxy studies is having a complete picture of galaxy formation and evolution across the history of the universe. In the local universe one population of galaxies encodes the richest information of the evolution of structures in the universe, the giant massive elliptical galaxies.

Understanding their origins and evolutionary sequence lead to the comprehension of the whole history of structures in the universe from its birth. In my thesis, I studied galaxies characterized for their vigorous star formation aiming at unveiling their roles as progenitors of massive galaxies and providing insight in the physical processes shaping galaxy formation and evolution.

The Ph.D. defense is open to the public, and Dr. Darach J. Watson, Associate Professor is the Chair.

Employee News: New Hires

Section Secretary – Nanna Langer Jensen

On 01 April, we welcomed our new Section Secretary Nanna Langer Jensen at The Cosmic Dawn Center. Before coming to DAWN, Nanna worked for three years in a similar position at Falck, and she has a master's degree in English and American Studies from Copenhagen Business School.

Nanna will help with administrative work at DAWN, and is responsible for the DAWN Newsletters.

DAWN

COSMIC DAWN CENTER

Nanna says: *"I am so happy and excited to be here, and I cannot wait to get to know everyone and help ease the administration at The Cosmic Dawn Center. My first few weeks have been very informative, people have been so welcoming, and I can't wait to learn more about the research and projects that the DAWN family is involved with. If you need assistance with anything – big or small, please do not hesitate to reach out to me, I will do my utmost to help you in any way that I can."*

Intern – Ivanna Langan

Today, we have an intern joining our DAWN family for three months. Her name is Ivanna Langan and she comes from Sorbonne University in Paris.

Ivanna joins us for an internship as a part of her Master's degree in Physics, and she will be working on a project with Daniel Ceverino from May 1st – July 31st, 2019.

Please give a warm welcome to Ivanna!

Employee news: Jonatan Selsing Had a Baby!

On 10 April, Jonatan had a beautiful baby girl, Ellen. A huge congratulations to Jonatan and his family of now four. See Ellen below.

