

# THE COSMIC DAWN CENTER NEWSLETTER

Date: November 2020

## JWST PROPOSAL UPDATE

November 24 was the deadline for JWST GO1 proposals, and this time it was not postponed. DAWN was involved in a large number of very strong proposals, and it was real a pleasure to witness the team spirit. This is what a center of excellence is all about!

Thank you to everyone for your hard work, and for helping each other.

Fingers crossed!

## 1ST AUTHOR'S PUB CLUB

Being 1st Author is an honourable achievement and we take great pride in recognizing 1<sup>st</sup> Authors for their dedication, collaborative efforts and sharing their findings and knowledge. This month it our pleasure to welcome 3 members to the club:

Desika Narayanan: [Powderday: Dust Radiative Transfer for Galaxy Simulations](#)

Steve Gillman: [The Evolution of Gas-Phase Metallicity and Resolved Abundances in Star-forming Galaxies at  \$z \approx 0.6-1.8\$](#)

Christian Kragh Jespersen [An Unambiguous Separation of Gamma-Ray Bursts into Two Classes from Prompt Emission Alone](#)

Welcome & Congratulations!



## A VIRTUAL START FOR VADIM RUSAKOV

Welcome to PhD Fellow Vadim Rusakov who, due to COVID 19 travel restrictions, virtually joined DAWN on November 1st.



Vadim attended the University of Surrey where he recently completed the *MPhys Physics with Astronomy programme*. Professor Charles Steinhardt is now his advisor and their virtual collaboration centering around galaxy evolution is well under way. We look forward to his physical arrival at DAWN.

## COVID-19 UPDATE

*All corona guidelines have been extended to January 2, 2021. This means that the existing corona precautions at UCPH and DTU regarding, for example, sanitizing and distancing will be in force at least for the rest of the year.*

### PUT ON YOUR FACE MASK

The government addresses COVID-19 with new restrictions. All students and staff on campus must wear a face mask when they are in the common areas of DTU and UCPH. This common area requirement applies to all publicly accessible indoor areas such as canteens, corridors and hallways. Teaching staff must wear a visor if they teach more than two classes a day. UCPH employees, who work in buildings or areas with access control/card readers, are not required to use face masks. However, they must comply with the current guidelines on hygiene and one-meter's distancing.

Due to the student traffic within the DAWN common kitchen area and hallways, wearing a mask is highly recommended and appreciated.

### CHRISTMAS PARTIES

DAWN DTU employees will have a Christmas dinner at Thomas' place on Dec 11<sup>th</sup> (starting 5pm). A Zoom link will be sent around to UCPH DAWN'ers so they can join virtually.

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## PHD POSITION AT DAWN

The Cosmic DAWN Center, Faculty of Science at University of Copenhagen invites applications for PhD Fellow positions starting in September 2021, or as soon as possible thereafter.

Fellowships are intended for outstanding candidates with a background in astronomy, physics, or related technical disciplines who are interested in doing research within DAWN's research themes: high-redshift galaxy evolution, epoch of re-ionization, first stars and galaxies, dust and ISM in the early universe and dark matter. Three-year positions are available

## POST DOC AT DAWN

The Cosmic Dawn Center (DAWN) invites applications for the DAWN Post-doctoral Fellowships. The fellowships are intended for outstanding early career scientists whose research falls within DAWN's research themes: high-redshift galaxy evolution, epoch of re-ionization, first stars and galaxies, dust and ISM in the early universe and dark matter. DAWN Fellows are expected to pursue their own independent, cutting edge research programs, in either theory or observations.

**The deadline for applications is January 4, 2020, 23:59 GMT +1.**

## HYPATIA COLLOQUIUM: EARLY CAREER ASTRONOMER SERIES



As part of the ESO science activity, the Office for Science is hence glad to announce a new series of seminars called "[Hypatia Colloquium](#)" for the months **February to June 2021**.

PhD students and early postdocs (max 3 years from the PhD) working in any field of theoretical and observational astronomy and astrophysics are invited to apply to be nominated as speaker of the Hypatia Colloquium, by submitting an abstract using [the dedicated form](#). The talks will be scheduled on Tuesday at 3pm Garching (Germany) time from February to June 2021.

The format of this series foresees a 30 min long talk followed by questions and discussion. The seminars will be entirely hosted on-line and will be streamed live on a dedicated YouTube channel. The videos will remain on-line on the same platform.

The closing date for this application round is **November 30, 2020**.

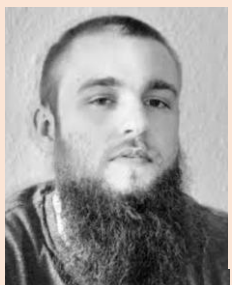
## PROFESSORSHIP IN COMPUT SCIENCE & DATA SCIENCE



The Computer Science Department at the IT University of Copenhagen invites applications for several full-time faculty positions at the rank of full professor. The university delivers state-of-the-art teaching and research within computer science, business IT and digital design. The proposed starting date is July 2021 or soon thereafter. Application deadline: **Friday, December 18, 2020, at 23:59 CET**. For more information, click [here](#)

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## MALTE WINS ESO FUNDING



DAWN PhD student, Malte Brinch, has been awarded 9,000 EUR by ESO to spend up to 6 months at ESO in Chile during 2021. The plan is he will work with Drs. Chentao Yang and Elizabeth Humphrey on ALMA data of distant galaxies. Congratulations, Malte!

## OPPORTUNITIES ON THE ESO RECRUITMENT PORTAL

Visit the ESO Recruitment Portal to learn more about the ESO Science Internship Programme in Chile and other interesting opportunities. The programme is open to students interested in enhancing their early science career and their experience in an international and culturally rich environment.

The programme is open to students enrolled in a MSc or a PhD programme in astronomy or related fields (observational, theoretical and fundamental astrophysics). Outstanding applications from students in their last years of their careers related to the aforementioned fields will also be considered.

Students accepted into the programme will work on an internship project under the supervision of an ESO staff astronomer or/and fellow, for a period of one month up to six months.

For information about the application procedure and the required material, please see the [ESO recruitment portal](#). The deadline for applications is **December 18, 2020**.



Please send comments, suggestions, or feedback to [guarn.nissen@nbi.ku.dk](mailto:guarn.nissen@nbi.ku.dk)

## HAPPY BIRTHDAY

Next month we will celebrate 2 birthdays at DAWN!

XXXXXXXXXX Peter Capak



XXXXXXXXXX Katriona Gould

## UPCOMING EVENTS

### **DAWN TEAM STRETCH & MOVE SESSIONS**

What would you say if I told you that 2 minutes of rubber band stretching exercises a day can help eliminate discomfort caused by sitting at your desk for long hours?

Would you believe that within 10 weeks of performing this daily routine you'll experience amazing results? It is a social activity we all can do together over ZOOM! And the best part is that the 2 minute exercises can be done at the start of every Working Group, Journal Club and Team meetings. No need to call for an extra meeting.

Bands come in various strengths and it is important that you get the correct resistance for the best results. So stop by my office, try the bands and place your order. We can get started early next.

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### THE SCANDI 6: COPENHAGEN RUNNING ROUTES



#### 1. NYHAVN, KASTELLET & THE LITTLE MERMAID

This run begins and ends in **Nyhavn**, specifically at a waffle shop called 'Vaffelbageren' for emergency post-run reasons. Head straight towards **Amalienborg Palace**, where you can wave hello to the palace guards. If you are particularly keen for a chat with them just run on the sidewalk and they will promptly tell you to get off. Expert tip: I don't recommend doing this!

#### 2. CHRISTIANSHAVN & THE OPERA HOUSE

This run begins in a favorite kind of-secret path in Copenhagen, up on the old fortifications of the city. This lush green path is a perfect location to stretch. Run atop the fortifications for one bastion, then head down to the street on the left.

#### 3. AMAGER STRAND

Begin this run at Kastrup Sea Baths (a.k.a. **Sneglen** : The Snail). This is a simple run that follows the water's edge of **Amagerstrandpark** up to **Amager Helgoland**. The course then heads inland to follow what was previously the main beach of Kastrup before the island was created in 2005.

#### 4. FREDERIKSBERG HAVE & SØNDERMARKEN

It is best to run this route clockwise to enjoy the view across the lawn to Frederiksberg Castle. When you enter the park from **Frederiksberg Runddel**, take the right path, then your second left. Unfortunately, there is no signage on the course to tell you where to turn left here.

#### 5. COPENHAGEN LAKES

There are many reasons why **The Copenhagen Lakes** are one of the city's most popular running routes. It is simple and stunning. You can spot runners logging miles along this 6 km stretch all day long.

#### 6. FÆLLEDPARKEN

Can you image walking around this park, in the footsteps of Werner Heisenberg and Niels Bohr? The Niels Bohr Institute is just on the park's perimeter and apparently, the two physicists would frequently take long walks together in the park. A simple run around the perimeter with a shape that bears an uncanny resemblance to Dr. Zoidberg.