

Eleonora Svanberg

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Department of Physics

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<https://www.su.se/english/profiles/elsv0090-1.569793>

EDUCATION

Stockholm University

BSc Physics

Stockholm, Sweden

2019 -

EMPLOYMENTS

University of Cambridge

Summer Research Intern at Department of Applied Mathematics and Theoretical Physics (DAMTP)

Funding: Philippa Fawcett Internship Programme 2021

Travel Grant: Swedish Astronomical Youth Association

Cambridge, UK

Summer 2021

RESEARCH PROJECTS

University of Cambridge

Project: Wave-like properties of the Vertical Shear Instability in Protoplanetary Disks

Supervisor: Dr. Can Cui, Dr. Henrik Latter

Publication: In process

Remote/Cambridge, UK

2021 -

Stockholm University

Project: Optimising supernovae 1a modelling by looking at different colour bands, ZTF telescope

Supervisor: Prof. Edvard Mörtzell

Stockholm, Sweden

2020

Royal Institute of Technology

Project: Examined how distances affects the data analysis of supernovae 1a, NuSTAR telescope

Supervisor: Dennis Alp

Stockholm, Sweden

2019

Atlas Experiment, CERN

Project: New Small Wheel Upgrade of Muon Spectrometer, computational and physical work

Supervisor: Dr. Edoardo Farina

Geneva, Switzerland

2017

Royal Institute of Technology and Atlas Experiment, CERN

High School Diploma Project: Precision Measurement of the mass of the z-boson, ATLAS open data from 2015

Supervisor: Giulia Ripellino

Stockholm/Geneva

2017

AWARDS AND HONORS

University of Cambridge Philippa Fawcett Internship Programme

2021

Swedish Astronomical Youth Association Travel Grant

2021

The King's Foundation for Young Leadership Compass Rose Scholarship

2021

The Swedish Federation of Young Scientists Member of the Year

2018

East Swedish Chamber of Commerce The Future Scholarship

2017

Swedish Astronomical Society ESO Astronomy Camp 2016

2016

Oxford Royale Academy Thomas Garner Bursary 2016

2016

CODING SKILLS

Languages: Python, C++, C#

Libraries: numpy, matplotlib, snoopy, astropy, pandas

Frameworks: PyROOT, HEASoft, PyXspec, Athena++

Other: Experiences with Linux environments and high-performance computing.

TALKS

Summer Research Festival

Cambridge
2021

EXTRACURRICULAR

Girls in STEM: Co-Founder and Chairwoman

A non-profit organisation aiming to close the gender gap in STEM through role models, workshops and a community.
<https://girlsinstem.se>

Sweden
2016 -

Mathplanet/Mattecentrum

Tutoring students in mathematics and since 2021 advising and helping with content for outreach purposes.

Sweden
2018 -

The Swedish Federation of Young Scientists

Project: Part of the organising group of the National Research Competition for Swedish High School Students 2020

Sweden
2020